SEQUENCE LISTING

<110> Friedrich, Glenn
       Zambrowicz, Brian
       Sands, Arthur T.

<120> Novel Mutated Mammalian Cells and
  Animals

<130> LEX-0126-USA

<150> US 60/179,110
<151> 2000-01-31

<160> 341

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<210> 1
<211> 158
<212> DNA
<213> Mus musculus

<400> 1
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ctgtatagac tactttggcc ttgaactcct acaggtgggc ctgcctttgc ttcctagtgc   120
tgggattaaa ggtgtgtatc accactgaaa aaaaaaaa   158

<210> 2
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<212> DNA
<213> Mus musculus

<220>
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<222> (1)...(153)
<223> n = A,T,C or G

<400> 2
gactgaggga aagtcatgga ggcttcaggc ntcttcttcc cagtctcaag acagtggtgg   60
agtccacagg gaaacggaag atcactncgc cgaccatgng ganctggcct tnctangagg   120
acgagcttca gctnttgagg agcgtgctgc tgt   153

<210> 3
<211> 361
<212> DNA
<213> Mus musculus

<220>
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<222> (1)...(361)
<223> n = A,T,C or G

<400> 3
aacatcgatc atgtcatttc ctcgcttgga acgaattcag cctctcatan cgggcaacag   60

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caccaaggcc tgaaaggaag gcttgctggg tgccaggaag caggacattg cattaaaaag    120
caggtctggt tcagcactaa tccctaccta cttctgcttg gtcccgccag ctcgctacca    180
tggattcctg agatcttttt gttccggctc acttccttcc tctggccatc aacctaagga    240
ggtcctgttt gcaagccatt gtccatgaca ttgctttttt tttgggtttt tgattgntga    300
gtctggtctt gaacttgnga tcttcctgcc tcttcaatgn naagngaacc accatccctg    360
a                                                                     361


<210> 4
<211> 239
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(239)
<223> n = A,T,C or G

<400> 4
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ccatgttacc caaacagtat ggttgtctaa acaagacccg aacatganca tcaccaacag    120
acatgccaat atggaaagga aatcccctgg agtccctaag aactacagtc ggcctcggaa    180
ttgttgggag tggggaggag tcttntgtct cacccangna tgaccctgct accgcctat     239


<210> 5
<211> 210
<212> DNA
<213> Mus musculus

<220>
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<222> (1)...(210)
<223> n = A,T,C or G

<400> 5
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nacggtgact gggaagctgt tttggacatn nggncctntn cccacccttg nttgcctatn    120
ttccagattg gatnanctgc cttccttcaa gcttttaaac ctngnncggn agagaacatg    180
aagactggaa acnacctttta aaaacttaat                                    210


<210> 6
<211> 264
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 6
gactgaggtg gggtctttca ggaggagagg aagncgacga cgacgacgct agttactgca     60
cggaaagcag cttcaggagc catagtacat acagcagcac tccanntaan nacccaaagn    120
nnangggnga nngnttccnc acctnctccc tcccctggc ttgctccctc tccagtgcag    180
tgcatcctgc ttcctagctc cccccccct tcccggcctg tccccacgc ggaggccacg    240
gcgcgtntag tgacaaaaaa aaaa                                           264
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2

<210> 7
<211> 355
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
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<223> n = A,T,C or G

<400> 7
gaactgagat ctccagtcca ggatttcccc tggtccacga atcttgttgg aatgccttcg   60
gagcatcact gatccaggag ctgaccttct gtcatttaca tggcgtctcc ttgatgaaat   120
attctccagc tgcttaagaa catagtgaac agtttctcac ggattccaac ttgaacaaaa   180
atcacacctc catccttgtt caacagaccc ccaaagcatc tactttttcca agtacacaca   240
ctcaggaggc agagccaagt ggacctttg agttcaagcc caacgtggtc tacanaagca   300
aagtttcagg acagccaggg cttcataaat agatcttgtc tcaaataaaa aagaa   355

<210> 8
<211> 188
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(188)
<223> n = A,T,C or G

<400> 8
actgagtatg tgtgtgccgg nagagttcaa agcagggctt cggcatcccc tggacattat   60
caatagtggg caaggacctc aggtttctgg agagaacagc aagagctctt aatggcccag   120
ccaactccca agtctcttca gttatatttt ttccaagaat tacntaaaag aggctattaa   180
aaaaaaaa   188

<210> 9
<211> 436
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

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acagaacnnn ctacaaccag aaacactagn aaaggccact gaaaangcta acgcctaaac   120
ccgggtntna angcnntccg cacnccggcc cagnntacgg naccgncttt cagccaggcc   180
tgngganagc aagagtgaaa aaatgcggag gggagttcca agccgccttt tcccaactna   240
agggccccgg actttgnttg nccgttgctg aaaganccct atagacaaag atgagaagac   300
nttnttngaa ttgatcagag acaaaaaagg gctcgaanna aangagtttt gancggnaca   360
ccgtaccatt taaatgtgtc tgctctttct ggnntnaatc aaanaaaggg atccctntgg   420
aaatacgaat attcgg   436

<210> 10
<211> 306

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

<400> 10
gactgaggtg gccctctagc tgcactggcc ctccacanct atggcctcct gcccagactc   60
agataatagc tgggtgctcg ctggttctga gaatctgcct gtggagactc tgggcccaga   120
acccaggatg gacccagaat ctgagggagc ctcccaggcc cttcgggact cctccaaggc   180
agatggcaaa gaattagctt gggaccttgg atggagaaga gaagcttttc cagacggaaa   240
gttcccagag agaaactgct gttctgacag agtctgcggc caagggcact ctgggagccg   300
atggtc   306

<210> 11
<211> 205
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(205)
<223> n = A,T,C or G

<400> 11
gctgcccgtc cctccagata ctctgctggg ctcctgangg gctncttgaa ttgaccctta   60
ngtgtnngct tgnggagccc aatgtntnta aaagaaggca tgttctgatc caaagtgtta   120
tcgtcaagtg tgctaattta accagactga ctcacagatg gcttctttaa taaataaacc   180
cttttcctat ttttaaaaaa aaaaa   205

<210> 12
<211> 267
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 12
cagctcacga tgccagganc tgaccaatna ctactttggn ttcagtggat ggtcgaaaag   60
gatcatcaag ctgcaggagc tctccgnact ggangatgca gctctcagct gtgcccatgc   120
anaaggggag cccccagatn ctntgcgctg tanaggaggt gctgcccccc tacggatgca   180
gnagccctgg ggttggcatc tctgaggagc ctntgcacca gctggaggaa gggaagagct   240
ggntaattat gaacaggaag acagctc   267

<210> 13
<211> 282
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

4

<223> n = A,T,C or G

<400> 13
tttaagaacc cgaggncaag acccacctga nttntagaat gagngacaaa acccnccntn   60
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catcntacan ggacaagggt gcactcatgg ntttcagagg aattcctatc tccgagctga   180
cgaaccatgg gattctccag gccctgacgg nagaaaacca atgggtggca nacaggtgnt   240
gggagtgaag aggncctaaa gcccaggaag agtgggaagt gg   282

<210> 14
<211> 421
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

<400> 14
gactgaggtt tctggacaga cctagngctt caccaagaga attcaacttg gaaaccaaga   60
ctggtagact ctcgtttctt ccgacaagag gcagaagtca gagagagact gcggattctt   120
gggacacctg ttttcctttt ggaggacacc gagttctttg agaagacagt tcaatatggc   180
aaaggaactg aaagaacggg gaggagccgt tactgtgatt tggtgacggt tcttcagaca   240
accagtgtct taaggaaaac tgggacagag aacttctgaa ctttttgggt tcgttaagtg   300
agaagtcagc atggctcagg taaaaagctc tcgagtcctc cttcaagacc gttcactggg   360
aagcctcttt gcagngtcac ccttgaattc tgccttagcc aacagtattg accatcccca   420
g   421

<210> 15
<211> 240
<212> DNA
<213> Mus musculus

<400> 15
agattctcat gcctgtgacc caggctggtc tggaactaat tatgtagcca gacttgccta   60
aaattcatgg cagtcctctt gcctcagcct cttgtgtggt gggattacag acttgagcaa   120
cattcttcag tgcatttctt aggaatcttg gctaaaaaaa tccaagttta tcacacacaa   180
gttctacctt tattggaata aattcaatca agttctttgt gttccttcca aaaaaaaaaa   240

<210> 16
<211> 111
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(111)
<223> n = A,T,C or G

<400> 16
ggttaaggaa cactgactgc atcttccaaa ggtnctgant tcatcatccn agcaaccaca   60
tggtcggcct cacaancatg tgtaangnga tcttgacagc cctcttctgg t   111

<210> 17

5

<211> 542
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(542)
<223> n = A,T,C or G

<400> 17
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ttcccgtccc cggacgacga gggtcccgca ggcaaaagaa ggggctgnct agcactcgag      120
aacgcttctg ggaaatgtan tccgcgattg gaactggcgg ngaagatggc atccattctc      180
ggatttcccg ccagagcacg gcctgaggca ggccgaggag ctcgttccnc attttcaatt      240
ttgtgcgtga aattcctaga cagatataca aactcggaca gaaactctta caatgcattg      300
agccccttcc atgatagggg gccaatctca gagaatcact gtatgttttt ggagtaggtt      360
tgcaccggaa gttgtgtaga gtcgcgtgta tttctgggaa atgtagtcta aaaaaggaac      420
tgcgtggcac tggtctcctg gaacaaagtt gttngaaatg atttctgaga taccacaccc      480
tgagtctgga catttctggg ccttgtaact cactgtanga attttcagga tgacaaaaaa      540
aa                                                                    542
```

<210> 18
<211> 309
<212> DNA
<213> Mus musculus

<400> 18
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gtcggaagcc cgagaaggag tcccggagaa gcggcagggc caccaaccac cgacagctgc      120
gatagctgca aggaaggtgg ggatctcttg tgctgcgatc actgccctgc cgccttccac      180
ctccagtgct gggattgact caggacgtca ggttgtcctg tttggcagca agtaccttca      240
cctcctgagc catctttctc ctaatataaa taaacctttta tattaaaaac aacaacaaca      300
aaaacaaaa                                                             309
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<210> 19
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(538)
<223> n = A,T,C or G

<400> 19
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ctagtctgtg aagggaacat tggcttaagc cctcacgtgg cctagcattt cttctcttca      120
gtagcaccac atcacagaag aaaaatgtac gggagcgcaa gaacaatcag caatctggaa      180
ggcagccctt ccaggtcacc acgtctgcca aggtctcctc gtttgggcca ccgaagaaca      240
agcagtgggg gagggggagg acaggcaag actctgtcta tggagaatat ccagtccctt      300
aatgcagcct atgctacgtc tggacccatg tacttgagtg accatgaagg ggtggcatcg      360
acaacttacc caaagggaac catgactctg gcagggcga caaatcgagc ggtgtatgga      420
ggccgggtca cagccatggg gagtagtccc aacattgctt ccgctggact ttcccacacg      480
gatgtccttt nctatacgga tcaacatgga gggctgancg gnttatccca ccaccca       538
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<210> 20
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<211> 501
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 20
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ntgnagagnc ctaccttgcc agtggcgccc ttaagcggtt aattttaaat cttgatccat   120
taccaactaa ttntgnagag gatacagtca gaactatttg gcttccaatg ggntacagaa   180
acagngctag tctattcctg tagagagctc tttcatttat ncaggcaaca gatatttaac   240
ttggagtcct tgnnacaagt cagctgngat tttgngaaaa tanccacctt gcacgccaaa   300
gcngacagtn ttaggcaaca atgtgtagtg ttccttcact acattaaagt tttcatcttc   360
aggtgncttg naagtaccgg aagcngagag ccacagncgc cctgcccatc cctatgaggc   420
tntgnaagcc canctTccct tcattgntgg tcgatgaagc tcccaggatn actnctggac   480
atntggacat ttagctggac t   501
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<210> 21
<211> 206
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(206)
<223> n = A,T,C or G

<400> 21
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ctaaaagcca tngtngaccc cggcccggcg ccgcctnatg agggacttna aaggaggnta   120
caggaaagat cctccggccg gagtgangng gggctccgnc ggagaacaac ttaatnggtt   180
tggaatgcgg tcattttttg ggcccg   206
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<210> 22
<211> 159
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(159)
<223> n = A,T,C or G

<400> 22
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ctcccgntct ttntctccan cgnctatcgt ntctcatcna atggctgagc tctgtgngcg   120
tcacgaaggc atcttaacct agntctacgg ccataccat   159
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<210> 23
<211> 329
<212> DNA
<213> Mus musculus

7

<220>
<221> misc_feature
<222> (1)...(329)
<223> n = A,T,C or G

<400> 23
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tggttcaatt tctacagaag aaatggcttt ccagactgta gtattatgga ttccaacctg     120
ggttgtgttt gcttgttttt acattttaaa gccaggtgtc tgaaatccca ncatttggct     180
gactgaggta aagagggtca aacnccaccc anagcttcct gaacgggngt nccatganag     240
ccngctntcc tgnaattatt gccctgggag atggatnagg atnncacggg tanggagagg     300
gtggaatgct acnaatctag gcgacactc                                       329

<210> 24
<211> 452
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

<400> 24
acagcattat aagtcagtgg aggaatanga taaatgaact gaaaaatcta actatgtcaa      60
ccaaaggagc tctggtctct gacntaaaag atggggtcag acaagcancg cctgccnnnn     120
gnatttgnaa gtnngcaagc aggggggngnt ntgggtcncc angctttcca ntgaataaca     180
gcaccancag cactgttcat gaactttaga atttaaaaca gccctggnc ttgccactcc       240
tccttccgga agcacttcag tatttggaag tcacccagcc tttggggctg ggccctntgc     300
gggntnctnc atatttttct tcactccagc ctttggactt ggggaaacct gaanccacgt     360
nnggntgcat nattttcggn tnaagagccc tgaagcttcc aggttttgca tcacctgggg     420
ttttgannga tttncagcct ccatggcagg ga                                   452

<210> 25
<211> 230
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(230)
<223> n = A,T,C or G

<400> 25
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ngggaggcac cagcatccac aacgcccatn ctcggtgggt ccctgcaggn gggattagga     120
caacccccang gngaggaagc agaaagcact ttttggggaa acctgctgtn tgccactaga     180
cacangttca caggagacca nggaggtggn ccccgggccg atgagggctt                230

<210> 26
<211> 443
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

8

<400> 26
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ctcctgaccc tatggctggt gtctgagcat actgatgagt tagttcaaca aggccattca   120
gtttgattca gtatttgtcc ttataaagga agcctgaanc attcaagtcc aaggagngtg   180
acagnagnat gaaacatgan tcngacatgg taaaagcata ctancaataa gcttgctggt   240
nactctttat agtccaggct ggttcagaac tcatattcct ntcacctttg tcttctatgc   300
actagggtac aggtgcacac tcagatgcac agcttaatct agctcctttc taaactgaaa   360
cattcctgac ttactttaaa actacggaaa acatttgaga catgtatgaa tgtggncaga   420
agagatttca gattagacct att                                          443

<210> 27
<211> 120
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(120)
<223> n = A,T,C or G

<400> 27
ccaaatgcct ttccaggcta gaacccaagn ctgngatctg ctggccggac acancancag    60
atctgcatga ggagggatca gacttcnttt gntnaggggn cggaactcgt gtcctgacaa   120

<210> 28
<211> 184
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(184)
<223> n = A,T,C or G

<400> 28
catctttggc tgtgctacnc tgnggctatt acaatccntg ccctactgag aagagtgtcc    60
nccttnntac attttatnaa gaccagagct gctgcctttg aacaattggt aagtcctcng   120
ggnagtnncc ggagnactcc attgcttttc ctctgtctat nnnngtgggg ggggagtgc   180
tact                                                               184

<210> 29
<211> 278
<212> DNA
<213> Mus musculus

<400> 29
gaactgaggc accactcgcc ctgcccaggc tccgacctcc acttcctctc cccaaaatgg    60
cctcggttct gtgggaagtc acctccaggc cccgggccag ggaggaggcc acagaaagct   120
cctgagaggg aaaacacccc tcccgcagac cccacaggac cccgagttgt gcccaaaacc   180
tagaggctag ggcacctgga ctggaggaag ggagccttgg ggctggaagg agtgacaaag   240
cagaaataaa ttgaatcctg atctttcaaa aaaaaaaa                          278

<210> 30

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<211> 141
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(141)
<223> n = A,T,C or G

<400> 30
aactgaggga ggactttgtc tttctggacc aggaaggtga tgtaattgct accaccaaac      60
ctgagaactt gagctcaatc gcanggaccc atatgttggt tcttcaattt gatggataaa     120
gataactctg ttcaagaaaa a                                               141

<210> 31
<211> 284
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(284)
<223> n = A,T,C or G

<400> 31
ccctctgtac acctcagcct gaagcctctc cntgagtnac ggggntacca tcccccacca      60
gggcactagg ntggaggcca ctgccaagca tggagcccac ctggagtccc ancgtngtgt     120
ctgtggtggc nnctgtgggg ctcttcctcg tactgctggc caagaggatg cttggctaga     180
anaaccaccc aggtttatca gagagcccaa ggatcacatt gtnttnttcg gggaggngtg     240
ncctncttcg tagtgccagg ccacngntaa tcctaaagcc acgg                      284

<210> 32
<211> 109
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(109)
<223> n = A,T,C or G

<400> 32
gaactgagtt gactttgggg tgaggncccc tttcacnact nnctgtgtga ncagtacann      60
cctactcgan tttgattttg taccttaatt accaatatgc taccgtcct               109

<210> 33
<211> 336
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(336)
<223> n = A,T,C or G

<400> 33
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tcngngactt gtttangcng atcnccaagg gggacttngg gacngagtgt cacncnttca     120
tgcntcaaaa tntgttcaga accaggangc ctgtncatga cgaccatcac caggctncgg     180
aagagctgcc gngcagcgct tgcaggcaca gagctgantg cncaggcgcc cactgctgca     240
gtgctcttca gagcacacac ttcaccaatt cctaccncan cgttnctgct gnaaatactt     300
gaaatcacga cactcaatgg gggcttttga aaagaa                               336


<210> 34
<211> 358
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
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<223> n = A,T,C or G

<400> 34
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tgttccatga caagagcctc ttataagtca tctggactca caccctgggc tagaagattc     120
aagaccttct ggcagtgcct cagaggacca gaagncagga gaacaccagg cagcagtggg     180
aatggtaaca gaanacctgc tgncagtggg tttgtttttc caaaacgccc actcccatgg     240
ggnggnttct ccctcagctg agatacanat ggtgccctca atgcccaaac ccagacctag     300
ccaaatcttt actcccacac catgactaaa cttcctggct gctatcaaaa ccacaaat      358


<210> 35
<211> 214
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(214)
<223> n = A,T,C or G

<400> 35
gaactgagag tcatttcaag cancctcctg ctgccaggga catctttgga gtgagcacca      60
cacttcatga tgaccatgan ggctcctggn cacgctgcca taanatggnt gntttgtatg     120
cccctgattg cgctctgtgn cgatggagca actncaanag agaccctacc ctgtgactac     180
catcagggat cncnggaaga acacccatga taaa                                 214


<210> 36
<211> 270
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 36
agcctatctt gaggaactct caanggacnc ncaggagaa cnggttggnt ccattttcac      60
ctntctaaga gatnagantc tcacaggcnn gnggnttaca tcacattctt gaaaactcac     120
actagntact tctggcttct ttcacccctta ttggtctttt ttgttctgct gtgccntgct     180
gngctncgan gnnggggggg gnatggattg gngnagagtg tgnccaactc tctggatagg     240
```

aacttantgn tggaaaactt acccatgctg   270

<210> 37
<211> 256
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(256)
<223> n = A,T,C or G

<400> 37
actgagtgaa tgcgtccgcc tgaagcccct gacatacagc ctgacatatt cagctatctg   60
ctccacctga tgtacacagg gaagatggcc ccacagctca tcgaccctgt gaggctagag   120
caagggatca aattcctgca cgcataccccc ctcatccagg aagccagcct tgccagccaa   180
ggcagctttt cccatcccga gcaagtcttc cctntggcct catccttgta cggcattcag   240
aatgcaaaaa aaaaaa   256

<210> 38
<211> 405
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 38
aactgaggtg gggtctttca cggggggctgt ggaagctgtg gaggtcgtga ggcactgaga   60
gctgtcgcct cggtggtggc ggncctcatc ttcttcccct gtctgctgta cggaacatac   120
gccttcctgc ctttcgatgc cccgaggcta gccccaccat gagctcccgc ttggnttaca   180
cccttcgctg tggggtcttt gccagctttc ccatcgtact cnggctcctt gtgtacgggc   240
ngggctatt tgngctttc tgcgcttcga gcccttcggc gagccgaggn gggaagngga   300
gatncacccg gcagnacnng ggcccaatct agngcaaggt cttcancctc tacttcntta   360
accctggggt gggctttcaa cctaactggg ccccaaggac acct   405

<210> 39
<211> 286
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 39
tccgcacgca taccangaaa acacatgncn nggnatccng gcaaagatta atgccatgcc   60
tctggggcnc agactcnagg gtccttgtca gcgcctntca ngangngnaaa cttnatcatc   120
tggcacantt ataccncaaa caaggtntna tagccatccc tctgcnctnc tcttggctca   180
tnacctgcgc atacgcttcc ttctgngaat tatgtggccc tgtngnggcc tgnatnacat   240
catgctccat ttncagcctg aaaactcgnc taggggaagg cgcgga   286

<210> 40

<211> 241
<212> DNA
<213> Mus musculus

<400> 40
actgagcctg aacctggctg ctcaggtttc actgttatcg ggaagagagc atgtggtgga   60
gcctgccgcc ctatcattct gccactccca ctgctgctgc ctgctgccta gctgttccgg   120
agccaaacac tgtggtcacc tgcaactgga ctcgtaggat gatttggcag gaatgggccc   180
cttccccttc ttcataaccc agtgtctgga atagtaaaat cgaaccttga tcagaaaaaa   240
a   241

<210> 41
<211> 128
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(128)
<223> n = A,T,C or G

<400> 41
cccaagccca actgtgtgng ctcttatcca actgnngatn agcccatgta tntcacgctg   60
ctgnaggcac ctttgggaan gngggncaaa tcaacctcat aaaggatgat cgacaacaag   120
aaactacg   128

<210> 42
<211> 348
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G

<400> 42
tggtgtcatg gaaggggatt tactttatac tcttcctgtt tgctggaagc tttttttggan   60
gtatttttat gctcggcccc attttacctt tgatgtttat aaacctgtcg tggtatcgct   120
ggattagcag ccgtcttgtg gctacatggc tcacacttcc tgtggcattg ctggagacca   180
tgtttggtgt gagagtggtt ataacaggtg acgcctttgt gcctggagag cggagcgtca   240
tcatcatgaa ccaccggaca cgtgtggact ggatgttcct gtggaactgt ctaatgaggt   300
acagctacct cagggtggag aaagatntgc ctcaaatcca gtctcaaa   348

<210> 43
<211> 313
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(313)
<223> n = A,T,C or G

<400> 43
tattctatga cagacngttt gggagatatc tgcaggangg atntttanac attacagaag   60

```
acaatacncg ctaatgcnnn tgnaggttta cagccactgc cttttttgcta ttacgctaac    120
tgtactcctg cactacantg atggaggggn ctggccttca tgtgacctat tgtttcaggt    180
cgctttggca ggagtattat accttcatgt gggctccctt gccaaaagac caaaacaagg    240
attcagccac acagcaggaa aaagnnntcc taaataattt aggatgacna accaaatagt    300
tcaactggtt aca                                                      313


<210> 44
<211> 199
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(199)
<223> n = A,T,C or G


<400> 44
gactgagaaa tttctaatga cttggtgaag aaggaaaacc gtcagaaagg ctgaagtact     60
gccatactag gcagaggttg naccgtgagn ncatnanata tnttacttac gccactaaac    120
tnttcatgnc cctgnctnac tacagnatat ntatnagctt ntggaggang gnctatccta    180
tnatttctta tatattgag                                                199


<210> 45
<211> 248
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(248)
<223> n = A,T,C or G


<400> 45
cccacagagc aaggacattg cnacantntt ctaatgccag tgcttgggag gtggagagct     60
ggagaatnaa ctagtcncaa ccccgctttc tncctggact atggnngaca gagnacctnc    120
cccnaagctn ncaanagcaa ncnncttnga cccttangaa tagaatntgg ntnaagttta    180
ccgcttggag aagattntga tcagaagaaa catagattaa gagaagagtt tnttgcaaga    240
ttatagac                                                            248


<210> 46
<211> 154
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(154)
<223> n = A,T,C or G


<400> 46
gcctaccagc atttgtgngc ctgcgncnag acagggtcga cctgactgac tgangntnna     60
ntatgctata ntagcatnat gaactttact cacacagcac acattataaa tggacgnttc    120
ctgggcnaaa aaaanttttt tttgtggcgg gggt                               154


<210> 47
<211> 241
```

14

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

<400> 47
tgccataccc actgtggnan tacccctgcc tgaagcctct ccgagcggcn ngagatncta   60
gantnttgat tnccagcagn ccatccccca acagcctatg caatccaagg gcacaatgga   120
gctagacatn acccgagcaa gagccatggg gcatgncctg tngatggagn atcanntcac   180
tccagacant ttttntnagc actgggcnga taaaccctgc aaaanacaag ggggactgct   240
g   241

<210> 48
<211> 262
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 48
tttcgtgaaa gtgccanagt tccaggattc tcttgtgacc tctgaggttc aaaacctgtt   60
gtgatgactg tgagaggtta aaaatggatt ctaggccagc atggaagtga gagctcagaa   120
gcacaagtct agacctgatg gtctttcttt agagaacagg gttctgagcc catggacacc   180
ttgttaccca ttgtgnagnc actgatgnnc tnnnctnnca nnntcnnntg ncttaccctc   240
tcaagtgctg ggattaaagt tg   262

<210> 49
<211> 492
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G

<400> 49
tactgagctc ccctatantc tcctacccat tcaccacttc ttcgactccg ntggatgaga   60
accanntttt tccaactcgn tctacacttg ancatatcat gaanacatnc gttacaaatg   120
aagcananng ctgcacaatg aggtgtcgnt ggatgcgaca cttntgagtt accctaaatn   180
tcccangtct gnagancgnn cggcgatagg acttggaaac agctgcgatg gattcnntcn   240
caggtatctc aaccacctcn nagggtgcaa gatgcacgcg ccggggcagn tcctcctgtt   300
cagaacactc agcccacagc tgactcccac ttccgtacga taacgcaaga tggtgggacc   360
ggcnattgaa aaccacattc angatgtcgg cttccggntt tcccggcagc nncccgcgtg   420
gctgccgggg ccacacccac ttccggttcc cttgctccgg catggctggc ttanggacct   480
ggctggccag tg   492

<210> 50
<211> 242
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(242)
<223> n = A,T,C or G

<400> 50
ccgggctcct tgcgtctgt ntnacaggca accacnctgg ccanncgttt ctcaggtgca   60
gtggatttcc tcacagagca ggtgttattt aggactggag gcagggatga gtactctggg   120
actggaaacc atctcctccc taaaagggaa acttgactta taatggntct ccttgacagt   180
taatacccaa gcttgngcag ntatacagac ttgcacncag accctattat cacagagaat   240
tg   242

<210> 51
<211> 142
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(142)
<223> n = A,T,C or G

<400> 51
gccctgaagg gtgcgctcgn gggcgtacaa ccacccagtt ttttgaatgc acaaggtgga   60
cagggcccct ggccttcttc tgacggagga nnggatgatg cggncagtga caccatcant   120
gagngaagat gccattaaag gg   142

<210> 52
<211> 218
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(218)
<223> n = A,T,C or G

<400> 52
tttcctgttg gggcccattt ggagcggata agggacagga gaagaaatga nggaaggcgc   60
acgagaagag cctggagatg gagatgcttt gctgttccac nctgcagggg tnactgggtt   120
nactctttag tnttgcncng gcatctatac tctcngcctc ntctgatctc ttgtgcttca   180
gccngtcang gtggggntgg cttggctttc tttttttt   218

<210> 53
<211> 331
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(331)
<223> n = A,T,C or G

<400> 53

```
agtcttgcag tgttaagtgt tttcctcagg gtgctcatac ggtgaaaatc atagatcang      60
ccacctttct gtgagccttc agctgagtct aanaggtgtt attgatcact aatggctttc     120
acggatggtt ttacctgtcc tgcataggtn gcttgggatc agctgggatc tgatgtagca     180
tcctcttcac tgcctactag gatgcagtac tnggcgcggg tggcctttgc ctgggatggc     240
acggngctca tgtttaactg ggcacccagn gctcatggtt agcccggcat gggcggngnc     300
tctattggag ctgcgctcac tggggtacac a                                    331


<210> 54
<211> 168
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(168)
<223> n = A,T,C or G


<400> 54
gactgaggtt gataggaccc aggccgnttt antggccagn ntaanaccta tggcatcngc      60
ggggccatnc ncaggatggg cgagtcanca tganccctat tcntncgatt ggctaaggct     120
gatggaattg tctcanacaa ctttttgagc ngaagaaatg cgggaatt                  168


<210> 55
<211> 345
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G


<400> 55
actgccccag attttcgtcg gtaganccta aacatcgcgt ccttagataa agacttagaa      60
naacaggacc ttggattgac aggtcccagg tcgctggcag gccttccccc agtatggatg     120
cgcatgngga ttaacttatg gaagcctttg agttcattng ttctcagaaa ttagttcgag     180
aatgnnatgt gaatggaatc ttcttaaccc ananggtntt ttttntaata cataaccatt     240
tactttagtg aattgttaaa gntgataaca ttcgtttaaa tttttttaca atagcattta     300
tgcaatggna ntacagaagg tccgtggagt tatatttta ttcaa                      345


<210> 56
<211> 447
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G


<400> 56
agccaggagg ctgaaaataa caattccaca acatcagtnn cnggagttgg aactaaagcg      60
tcagaggacg cacgtgaccg gtgagcagag actgccagcc tggtgcagaa aagcacacag     120
cagagctgct gagggagtgg gggtgggaag gggagaaaaa ttctcttcag aatgcatcgt     180
agctctggct agcaaaactg gaactggata caagctgcag acccaaactt ctcatgaccg     240
tgtgagaaca caattcaaga acattggagg ctgcaccagg tataagcacc gccagaggcc     300
```

17

```
atctgacagt ctggtacggt gctaagagcg gtcaccagtg tgcacagaag acatctttga    360
gcgacatctt ggnttacatt gtccaggaac acggccntgc tgctcgaaga gcttgaggaa    420
tacatccaaa cacccattta aaagctt                                        447


<210> 57
<211> 292
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G


<400> 57
ggcccaggtc cccgtttcct ggggctgngg aagncttcaa gctgttccag aatccggntc     60
aaccggagtt actggaaccc agcagagnac actcgccngc cttgagcatc ttttgcccac    120
aatctggctc aggctcatag gcttcagcaa gaaanacttt gggnacagct gagtttggga    180
gaagactcca nttnagtgac cctccagagg gangaaggaa ggcncagntn ttttttncn    240
ggagagggca ncnngaaaag gnagcncccc ngcttgaaac aaaaaaagga ag            292


<210> 58
<211> 324
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(324)
<223> n = A,T,C or G


<400> 58
gactgaggga cgcaaggaca cacggtaccc cagnttggtg caatggactc tgacatatgg     60
aggtgaggga tcacggcagn cataaaggac nggctgntga tgtggctaaa cttgtagagt    120
gccaatctac ctgatgcgca gcaccacata aaactggtgt gatggcaact ggntgtgatg    180
gcaactgatg tgatggcata cagctgtaat cctancactt gggaagtaga gaccaggtga    240
tccgtagttt gaggtcaccc ttggccacac aataacatcc aaaccagatt gngctacaga    300
aaaccctgtc taagaaataa aaag                                           324


<210> 59
<211> 238
<212> DNA
<213> Mus musculus


<400> 59
gactgagtgt cttctctagt tcctgtcctt gctgcttttt gagttcttac tcagtcgtgg     60
caccctgagg agagtcagca tcacagggcg tcggtttcct gtttcttcat taacctaaga    120
attcagacaa aacaaagctg tccttaaaaa acaaagtcct actccttagc ctgagaggac    180
tatccccttt tcaataaagt ttacattata agttgagcat gtacctgcaa aaaaaaag     238


<210> 60
<211> 140
<212> DNA
<213> Mus musculus


<220>
```

18

<221> misc_feature
<222> (1)...(140)
<223> n = A,T,C or G

<400> 60
ggtgagccgg ctacagggag accctctttc ccttctccaa catactcaca tactgcncat   60
ctgtaatccc agnacttgag aggcagaggn aaaaggattg ctgngaattg gaagccatct   120
tgagcaagat ctggtcttta   140

<210> 61
<211> 263
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

<400> 61
tacctgcagg catccancaa tgtgtcctta gcagcagact tgctgtcccc agtgtgtaag   60
gcccaggctt tgcccattag tctgtgactg aaaacaatcc ccctgctcca agcagcctcc   120
acaatgacta ccccaaatcc ctaagcagat tcctggactt ggagagagaa cagctcaggg   180
catgaggatc taaatgcaan agtcctactc antttganaa ccagtaataa aatccgtgtg   240
tggtagcagg taaaaaaaaa ata   263

<210> 62
<211> 324
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(324)
<223> n = A,T,C or G

<400> 62
gaactgaggt ggggtctttc actggcctgn cgctggcact ctgcgcatcc gtcccaagga   60
tcgaaccttc cgctgcgcag cccgcgcgcc ccttcagagg ctcaccccac tccgccacgc   120
gtcctcgggc cacgtgactg cacgaccacc gcagggacc cgaaaggatc gccaggtccg   180
ggtgggccag cggcgcttca gctctcctga gcccagtatc cgtgcctccg tgcaaccgga   240
tgttagctgc cctcctccaa cttcagctcc aaagccggat ggacaaaccg acgggcaaat   300
aaaagtctga gatttagaac agac   324

<210> 63
<211> 118
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(118)
<223> n = A,T,C or G

<400> 63
ccaaaattca ggatancntt gctggtctca gcttgtagcc ctgcctggaa atcctgcctc   60

```
aaagtctcaa gtgctgggtg acaggtttga gtcaccgtan gtgctgatgt atctatcc          118

<210> 64
<211> 385
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

<400> 64
actgaggtgg ggtctttnaa gcacagtgga atggagtcag ccagagccta gagtgctaca       60
gagggcagag ctggagaagn gacccaagac ctttggggga gcacagaaga tcatgtgtgg      120
atcctagaca ctggaacaag aacctgtgaa gttaanatgc cttgnagacc cttgagatat      180
tagaagattg ccnccgtccg naggataccc tcgctngagg aaagcttact aaccacggag      240
taagnancaa canaatggtg aaagggagaa tgctattccn aaacgngana ancccgnngt      300
ttnggagggt tgtcctggct tggnntttgg gccttgctta agtccnngta tttttcttna      360
ccnntgataa ttttgggagg tatat                                            385

<210> 65
<211> 450
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 65
ctcataggca tttggagaac agaagtagga caacngagaa gttttattag cctcncnaag       60
tttctggtnt gtggattatt attctgcttc aatattttgc ggacttaanc tgacagaaga      120
acacnctaca ctccccaccc tcnntgtttg ccctngntct ntantacttc aganngtgga      180
cttnagacta ggtgtcgant cgccatcngc catcccattt tctttgaggg agcatcanaa      240
ggacctnccc gccagcctcc cggnccncnc cccgngcgag ncaggtgnca tccaggttta      300
gcaanaaaac ttggggncnn tnanaaggag tngtggagcc cacgcgaggg gaggaaaaaa      360
ggagagggcc ncggncccgc cgaagggaac ngngagggaa tagtcccatt ctttnggnca      420
naaccnngga gggaaggtct tttaatggaa                                       450

<210> 66
<211> 312
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(312)
<223> n = A,T,C or G

<400> 66
tcaaaggcat ttggaagaca gaagtangac gacagagaag ttntattagc ctcncaaagt       60
ttctggtatg nggattatta ttctgcctcn aantntggcg gacttancag angaaaaaca      120
cctagactcc cagcctgttn ttgcccttg cttattact tcagatgagg acttagactt      180
ggtgtcgaat cngccntcgc catcccatta tgcttcgnng agcatcanta gngacccccc      240
```

20

```
cgtcagtctc cggccacncc ccgagcnagt caggtgtcat gaaggtttta gnaggaaaac      300
tgcggccctt ga                                                         312


<210> 67
<211> 444
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G


<400> 67
aggagctact cggttcaaag gcatttggag aacagaagta agacaacaga gaagttntat       60
tancctctca tagttnctgg tntgcggatt attatttctg cctcntattn tgcggactta      120
gcgangaana acacctacnn ctcccagcct gttcttgccc ttgccttagt acttcagatg      180
nggacttagn cttggtgtcg aatcgccatc gncatcccat ttgnttgagg agcatcatta      240
ggacccnccc gtcagcctcc ggccacaccc gagcagtcag gtggtcatca ggnttagcag      300
ggaaaactgg tgccctnata aagggtgtgg agcccancga gggaagaaaa gagggagagg      360
cactgnnccc gggaagggac gggaaggaat aantcccttc ttntggncna aagcaggggg      420
aagggtcttt tattgaaagc atct                                           444


<210> 68
<211> 494
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(494)
<223> n = A,T,C or G


<400> 68
ctgaggtgca acgctgaact tcaagtcgac cggtacacta aaattaagtc gctgtaacta       60
aaatggaaaa gtatgaaaag ctagctaaga tcggagaagg gtcttatggc gttgtattca      120
agtgcagaaa caaatcttct ggacaagtag tagcgatcaa aaaattcgtg gaatctggaa      180
gatgatcgtg tcgttaggaa aatagccctg cgggaaatcc gtatgctgaa gcagttgaaa      240
cacccaaacc tcgtgaacct catcgaaggt gttcagaaga aagagaaaga tgcatctagt      300
ttttgagtac tgtgatcaca cactggttaa acgagctgga gagaaaccca aacggagttt      360
ctgatggagt gattaaaagt gtgctatggc aaacccttca agcccttaac ttctgncaca      420
agcacaatng taagtaatat tttctaatgc tagggaagtt ctcttgtacc cgatgcttct      480
gttggagaga agga                                                      494


<210> 69
<211> 194
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(194)
<223> n = A,T,C or G


<400> 69
ggaacctcaa agaggatgcc actgttttgg aactattttg aaggcgcagc catcactagc       60
```

```
tttagggaca gggtatttttn tnacagcnnc agaaatagna tccatancag ctccanaata        120
acaanntgct tgagtttctt ggggactana agatgacacg atannataaa gacactggcc        180
aagcatgacc tcca                                                          194


<210> 70
<211> 115
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(115)
<223> n = A,T,C or G

<400> 70
gactgaggtg ccaccctacc aaggtaactg caatcttnan gnccatccct ccaaccactg         60
gatctgctgc actgnctgaa gntnnggttn ctnngccana gcctcaactc actca            115


<210> 71
<211> 478
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 71
ctgctacata tgcgtgaaga atggcactcc ccatcatagt ntnaatgggg tgggcaggag         60
tactcagtga ccacgctctc agaagatgat actgtgctgg atcttaaaca gttcctcaag        120
acccttacgg gagtgctccc agagcgccag aagttactag ggctcaaagt taaaggcaaa        180
cctgcagaaa atgatgttat tnttggagct ctcaaactga aaccaaatac taaaatcatg        240
atgattnttt tactcgtgag gagagcttgg aagatgtctt atgtcctcct ccncccccccc       300
gatgatgtca tcaatgattt tgacattgaa aaaaaagtag ttgaagtaga aaatagggag        360
gaaaacctcc tgaaggtctc tcgcagagtc aaggagtaca aggtggaggt gctgaaccct        420
ccccgggagg gcaagaaact tcctggtgct ggatgttgac tatacactgg tttggtga         478


<210> 72
<211> 440
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 72
cagatccagc acgcatgtgg agaaagcctg gctttgtga gntgtcnnac tctnagctcc         60
tcctgcncca ngcccgcctg nntagcatgc atgcttccca ccttgatgat agatggactg        120
aacctgctga natgaaagct gcatggaccc ccagtagaca cncagactcc antatctgag        180
aaangngcat catgaaagat anatgcnggc ctncagctat tnactagggg ctntannnct        240
ataaggntgc anncatagnn ttccanaang cccaaagcnt gttnttgatt anangcnctt        300
taagantttt actcaaataa catctanaaa ctggannntc tntcactata angntgnaat        360
natagtattc cagaatgccc aaagcatgtt cttgtttaaa agcactttaa gaattttact        420
```

22

```
caaataaaat ctgaaaatgt                                                      440

<210> 73
<211> 188
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(188)
<223> n = A,T,C or G

<400> 73
tcccacatct tgaatctatg ttgcacaccc tgatacatgt gaacgtgtgg ggccctgaaa          60
ggcgagctga gatttggata ttcggaccgc cgcctttccg aagggacgtt gaccggatgc         120
tcactgatct ggctcactat tgccgcatga aactgatgga aagnaagtaa nggatgggac         180
gggagtgg                                                                  188

<210> 74
<211> 108
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(108)
<223> n = A,T,C or G

<400> 74
ccctcagcac ctttccctcc tgtgccagca ctgaggaagg tccctgngtt ctcgtggngc          60
atggctgttt cnaggaaaca ngggagcttt ttgccagccc atttggcc                      108

<210> 75
<211> 124
<212> DNA
<213> Mus musculus

<400> 75
gactgagaac ctcaaactca ctactgacgg agttcgtcat ccatccctgc ctcagaagat          60
ggcagctcca tcgtccaggt gctggggctg aaataaaact ccatcatccc tcattctttt         120
ccta                                                                      124

<210> 76
<211> 131
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(131)
<223> n = A,T,C or G

<400> 76
attttgagct cctcttggac acgntgctcc tggcttngaa agatnccact tgggtttgaa          60
gatgccaaag gctgcttgng atgtggcctt gaacttccgn ctagaaagag gntctataga         120
aatcactctt g                                                              131
```

23

```
<210> 77
<211> 133
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 77
gcagacacat ttccagntga ttgaggtggc cagtgacatt actcccgtgc gccttaccca          60
tacttnagta gcnggcattt ctcattgaac tgtagaccac cttttctgtt tgagnccgga         120
acgcagtttc agg                                                            133

<210> 78
<211> 151
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(151)
<223> n = A,T,C or G

<400> 78
cacagccaca ctgctgnagc tngccgcttt gctgtgacga agccatcaca gnggtcacct          60
gcaaccttan tcctagatta tctcggctgg naatcgngcc cctccccntt ccttcataac         120
ggagngctgg aatantaaaa attgaacctt g                                        151

<210> 79
<211> 413
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

<400> 79
acaaggcaca aaattttggg gnacagacnc tcaccaactg ttcctgggga gccatctccc          60
ttttcagtat ctnagattct ggaagactcg gntgacttcc taaggactgc atcctacaga         120
agatacaact ccatggtgtt ctgaaaggtt ggacaggaag tgagcagagg acatgaccag         180
tgaaaacagc cactgtttct atgcctgcta ttatgctttt tttgaatggc tgacngtcta         240
tctggggcaa gggttctcag acactgaagg accccactta gaatcttagg ttgnaagccc         300
cctgtcaatg tcatggcagg aggcagccct tggaaagtgg gctttgtaat gagnggtagg         360
tccccatttc ctgacagagg ntgctgggag cacaaggaga ctaggcacag taa               413

<210> 80
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
```

24

<222> (1)...(322)
<223> n = A,T,C or G

<400> 80
gcaataccac cttgtgacnn cancgccact tgacatgcga ggccttgtac gntagacata   60
nngcnggan gncnangtcn nctcaccaac aacatccanc ttgctgnagg ctnaccccgn   120
aatgaaagaa agcaaagaca ggnnaancng ggccgagnaa gcttgnttta ggggatgggc   180
tgtttcncan caggcggtnc ccacaggtgg tccgaatctt ccgggnccca aaggctcact   240
tctctttta acaacaggtt tctgccgatt ccagcatcac ttggaaaccc agattttgc   300
ncacacatgc aaatccacct ag   322

<210> 81
<211> 241
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

<400> 81
ggacgacaat gaaggagntg agattgacat ggagtcctgn cngaagcatc tgaagaaaag   60
ggattctctg antttgaggc gacctgnagg aanagttctt ttccatactt gncatgatnc   120
tttttcaaa cctganaact angaagggnn ttgggataaa taactantga ctactgannc   180
tcctantgga gagcngccga gggngtggga canctgcnga caaatactt gtggtggcat   240
t   241

<210> 82
<211> 343
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(343)
<223> n = A,T,C or G

<400> 82
ttccacatag atgagggcct cattcngcca tcatgagntt tagtgagnct ccaggagaga   60
gcganacaga nacaganact cactcnncat caaacccctc ttctcagggt tcagagagcc   120
agggagaaga gacagananа ttttttnngaa ccagaganga ccctaggaaa acngngnctt   180
ncagacacan cngcnctgac acacatatat gaactcctan aantaggatg nctcagggcc   240
tgaatagggn tcaagacaga tggagnccta gaacaggaga agcaagaaga catgagctcc   300
tattcctaag aagctgtntc ccacctgata ccctgcttgc aaa   343

<210> 83
<211> 492
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G

25

<400> 83
tgtgaccttc acgtttagag ccttttagct gcctggttgt tgtatttgcc accctgaaag   60
cgctccacct ctgggacctt aaaggttgat agtttactct tagttatttta tggaaactag   120
taggaagtct gcagttgaac acgaggcaac ttctctctat gccacgtgga gctgtcaccg   180
acttccacct cagagacaca caagcagagg agccacgtgc agcttgtgag aactttcctc   240
acagaaaccc attactgtac tccacatctg ctctctggaa taagcctggg atgaactgga   300
ggaggaactt cagcggctgc tctgcataaa cactggagca gggcggcgtc aggtgtgggac   360
tatgcgcgca gccacaaagg caactcctgc tagaggacct aattgaagac tgnggagaga   420
ccaaggattg atgacgcana caaagccagc caatcgggaa ctgctgtttg gaaganatgc   480
ttgctgggga cc   492

<210> 84
<211> 198
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(198)
<223> n = A,T,C or G

<400> 84
ccatcactac tgattcatat tggtagttna ctattgaact ggactgctgg catcctgaca   60
atgaaaaatg gaatcgcccc aagaaattat ttctaaacag gtctagaaca ctcttttcct   120
attaacttct tttctcccta cctctggttg atgaattaga agagaggntg aagattcaag   180
aaccctaaat aaaacagg   198

<210> 85
<211> 274
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(274)
<223> n = A,T,C or G

<400> 85
tggggccata taccagnctc catgttctca gacccacaan ctaaaagttn gaagcaaggc   60
agtntgtcca gtcngaganc aggaactcaa gtccaaaaca gnctgcctgt ctccactgtc   120
agggcactca gccagctcnn aggtcagnat cngtctttgt cccngcatca gcttgtctca   180
ccaatcactc tggcagctag catgctcctg ctgcngcatt ctgtggagaa aacacaaaaa   240
tgccctcttc cccatattaa atacctgaac agta   274

<210> 86
<211> 166
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(166)
<223> n = A,T,C or G

<400> 86
tctgagaggc actaattgca gcattncata agcaagatca aagcacgcat ttgaagngtt   60

26

```
cgaccatgaa tcnaataata cagnacatgc cgagatgaga tngccacgat natcaggccn      120
ttacgncgct gcccgactnn agnagagctg catgatttca ttgcag                    166


<210> 87
<211> 222
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(222)
<223> n = A,T,C or G

<400> 87
cggggaagga gatgttcagc ttcattttga cacagccgag cgcctaggag gcgtnactga       60
ntaagaggcc tgacttccca acagttnctt gggatgccag aagagaatgt ttgggcccct      120
gaaaatggag tcgcaagcag ccgngagcag cctnacatgg gtatcaagaa cagatttnag      180
gccctccaca agagcaggan gggctcttaa tagctgagcc at                        222


<210> 88
<211> 201
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(201)
<223> n = A,T,C or G

<400> 88
gactgagggc aggtgagatg gctnagcagt tnaagcagnt tgttgnacga gcntcatgca       60
cctgngnnca ttcccaganc ccatggaana gatggaaggn gagagctgac ttgacaaaan      120
tgtnttntga ccantgtaca cggactggag ccncggactg cattgttcag gaaaataaag      180
caatttgtat gaaaaaaaaa a                                               201


<210> 89
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 89
gaactgaggt ggggtctttn gtgctgtggc tcctcgggtg agggaaacag gactgcacgg       60
cgcggagagg acgatcgccc tactgaaaaa aataccagat cttacnaaac ggctcacgta      120
gggnaagatg ccggccacac agaagcccat gaggaactgg acatacggaa gggcacaccg      180
aagtctgctt tgatgattct ggaaggtaag cntntttgga ancaaaggac ggntccagcg      240
ngaatggtta agacgnnatt cttggtatgg acagccggtc gaagatgacc ggatgcgggg      300
ggacagaggn aggaataaac aaggagcgcc ctntgccctg aggcttgttt ncttttgaac      360
tgtcgtgnca cttctangac ctcangaaaa tttaaaatcc ttaccccag aggagtgcct      420
tcccgccact cacg                                                       434


<210> 90
```

27

<211> 147
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(147)
<223> n = A,T,C or G

<400> 90
aggcctacgt cagggccgga ngtcctgacc tcaagatgna cccggatacc nccatgttcc   60
atgcttccac nngtanctgc cannnganga atttcncact gccccatncc tcctgcttga   120
gaantacttc ctgttttтcc attgccc   147

<210> 91
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(322)
<223> n = A,T,C or G

<400> 91
tcttgccaga tcactgcgtg aggttgctca tccactctgc agggcaggca ngacatacgt   60
tcccacgntn tggacaggag cgtctcnagg canagagtan ttgacaacat ggtaggcntt   120
gncncnagna cgatggcgcc cctggcacan naggagagtc actngcctnt ttggncnant   180
attctgatat tctncctgca ctgttccaa ancgnncatt ggttnnccta aggncaaaga   240
caacatttgg tccccttgca nagggcanct ctgaaccgnc tntgactgnt gggagggcag   300
gcaaataaat gcttttggta tt   322

<210> 92
<211> 119
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(119)
<223> n = A,T,C or G

<400> 92
taggaagcag tgtaatgatc tacagactac ctnaggncct gcgnntacac cttanaagat   60
tcatggtggt ctgnccgaaa ccatcgtgan annantgcng tccatgtcat ctttgacca   119

<210> 93
<211> 237
<212> DNA
<213> Mus musculus

<400> 93
ctgagcctaa gggaatgctg ttctctgcac tgaagtctct gtgccctcga gtcacgcctc   60
atccccagtc aacgcgggac caaccagcca gaaggcttca gtttgtgcgg cttacaaact   120
gggggccgca agatgccct gcccccagcc tctcctccca gggcatgccc tactctagag   180
ctgctggtga acaggccagc caggggaag atctccaggt aaactaataa aaaaaaa   237

28

<210> 94
<211> 304
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(304)
<223> n = A,T,C or G

<400> 94
ctttggatac gcatcacccc agnctgactt cctttccctg agcctcacct gccttcgagg   60
agtngagtgc anaccacagc gcctttgctc agtagctgct cccgnctgtg tncagngtac   120
accctgcttc atggagcttc tctgcctaag cngtngacat gactgagtgc ttggaagnca   180
atntttaann tgcacagntt acacatgcnn aaaaaagagc catctaccca acctnaccaa   240
gcacccctgc agatgtccat cctgaggntg nagatctnac ctctgngntt actgtaagcg   300
ccat   304

<210> 95
<211> 143
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(143)
<223> n = A,T,C or G

<400> 95
acggacgaac cgtgtcaaag ggntatgcaa gncnngccan cagacagcng nnacagacng   60
ngcaancntc caactganga agatgtgagt attcttggga tctgggagca ttcctgaaaa   120
ataagagatt aaaaaaaatc aaa   143

<210> 96
<211> 414
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(414)
<223> n = A,T,C or G

<400> 96
ctggctcccc tcgcctcctt cctgacgtgt gtgctcagta gcagctaatg actttgtgtc   60
catgtctctg cctacatcag ggacctgagg tcagagcctc angccaattn gcagaacctc   120
ntagnttntn ctggatgaac tgccattgct agaatnagtg aatgnngttc aganatggat   180
gganctaccg tgctgatnnc tgtgaactga actgctgccc tcntgacaan natngaaaat   240
gncccaaaga actatnacct aancaggtcc acatnctcnt ttgncctatt aaccttcctc   300
tncactacct ntggngggcg gagggctaca agggaggtga aagtattnaa gnnatacnta   360
tnaangnang nttngnanca tgnagctgaa ggggnctgca gggcggggg aggg   414

<210> 97
<211> 355
<212> DNA
<213> Mus musculus

```
<220>
<221> misc_feature
<222> (1)...(355)
<223> n = A,T,C or G

<400> 97
gaaccttaca agcttntgag atgaagaacc ngncangaag ctggngnnac gggnaanagn      60
gtatncncct gngccctggc tcgntgcgtg tngnctganc cngctaanca tgcacctnct     120
gncctgcnac gntctantta gcnngatngg nccnggtaga tcnattcttc acgcccgccg     180
gncgccacga tgcanacggg ctacaggcgt cgtttcgcgg tcgcggcctg cggggcgagg     240
aggtagctgt gccgccaggg tttgcgggat tcgtgatggt gacggaggag aagggagagg     300
ggttgatagg gaaactgaac ttctccggng acgcggagga caaagcggac gaggc          355


<210> 98
<211> 245
<212> DNA
<213> Mus musculus

<400> 98
actgagatta acacattaat gatgtcatcc gttgtacatc ctgaaagagc acctcacaga      60
gcaccacagg accgggatcc aaaggaacgt gcaaaagtgc ccccgacccg tgaggctgga     120
gatggctacc tgcaggcagt gatgtcctct gcatagcaga agtgttcgtc gctgttaact     180
tttactttgg ttgagacttt ggaaataaaa tctaacaagt gcattgtgta ttggaaaaaa     240
aaaaa                                                                 245


<210> 99
<211> 324
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(324)
<223> n = A,T,C or G

<400> 99
ctgtgcctgt ctccatggct ttcaggaccn tctcttgttt gacctgnctc ancacatatt      60
ttcnctgaca gccatcgtga nttgtacngc cagtggcctg cctttcaagt tcaangtaan     120
ccttatcgat ggagagagag agntnaagac cancttggac tacagnggnt ctgtattaaa     180
actaacaaaa antgagctaa naggttagga agatggctca ntanatnnnn gcatttgcca     240
acaacctgag ttccatccca ggaacctatg aaaagactga gggacanaac gaacttcaaa     300
agttgncctc tgacctgctc atgc                                            324


<210> 100
<211> 389
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

<400> 100
tttgggaaag cacagggncc tgtgctgtgt gcctgtccgg cagagagcct ggtgggcatg      60
gacatcttta tccacatacc ttagtgtgac cacgccgaca gaaanttnnt aaggccctct     120
```

```
ctggtgcccc agaataccat ggngacctat cactatcctt tctgcctttg gatgtcccag      180
cctggatctg tcaccaggag aggattgtgg gcctccacgt tagtctgtga atgcacactt      240
cgagtgactt gtgtgcaggt tttgagagcc ggttntgcac tagctgctcg acagctgctg      300
ccatggcccg tgctcttgca catgcgccgc tgngggcatg ggaattgctg tgcagcctca      360
gctgtgttgt atggctgcta attaaactg                                        389


<210> 101
<211> 396
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 101
agacccgcat cttgatggaa cccacaatct cactgcgcag cactgttgcc attggcactg       60
acctggggac agcaggagcc atgtgaggtg tgacctctac cacatctggc tcaactgcaa      120
gcatgcagtc ttccagctca ccaggtaaaa aggagttccc accttctgtt tgaggnaang      180
nctctcactg agctagagtt ctcattttgg ctgggttgca gcacattgnc attggcactg      240
acctggggac agcaggagcc atgtgaggtg tgacctctac cacatttagg ctcaactgca      300
agcatgcagt cttccagctc accaggtaaa aaggagttcc caccttttgt ttgaggcaag      360
ggcctctcac tgagctagag ttctcatttt ggctgg                                396


<210> 102
<211> 254
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(254)
<223> n = A,T,C or G

<400> 102
gactgaggga atgacaaggt ctgcgtattc agcacagnta tttctccaga atattatagt       60
ctgcagttga ttgaacctgg atgcagaact tggagccatg aagatcaaga acattgtaaa      120
tgcaacaata aggggggaaat gcaattaaaa agtgggctga aaaagtaaaa acagacttta      180
ttagagaata tacacatggt atcctcagtt gatagaatgt ccccaataaa tggcctgtca      240
ggtaaaaaaa aaaa                                                        254


<210> 103
<211> 211
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(211)
<223> n = A,T,C or G

<400> 103
acgacccgcc tgttttcccg gggtanaccc ccgcccttca gcatggcatg aagaggagcc       60
ttttnattag nnactcacan nnccgcagcc atcaaacagg cagcaaggct tcaccagcaa      120
gaccgaaaca ggagcaaggg ggctggngag anggctcanc aagtaaggag cacccgacta      180
```

31

ctcttctnga aggnccggag ttcaaatccc a   211

<210> 104
<211> 451
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 104
ttgggactac atggtaatcc catgatatag ctgactttcc ccgacccgtt catcacagga   60
tccccaactt caaggggtcc tacctggctg gccagagcat cagagacctg gaagtctttg   120
ctgggacaca ggaagtgaaa gtggaccctg ataagcccct ggaaggtgtc cgattcctgg   180
cactgcagag caaaaaaaca ctgctggtcc caacaccacg actgcgaaca gggctgttta   240
acaagancac gccacccccct ggagccacca aagacattct gaggaaatgt gccacctccc   300
anagcaggct gggaancaag cctntgtcat ttggaaccgn tgacnggagc ctgattgcct   360
gtcaccagac actttcacag ncctgctaaa ctggnnctgg aaacncactn gagggatgga   420
gagccagggt tcgcgtctta catacaataa c   451

<210> 105
<211> 255
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(255)
<223> n = A,T,C or G

<400> 105
tagccagaac cttggtgttt tganagccgt aaaggaagac ctcgataagt tcttcgggag   60
attccaggtt cttcagctca aacatggcct ggctcacctg ctcaatgtga cacattcgag   120
atccctgtgg gccaaacaga gatttcanta ccagcgactg gacctggaat acttctggat   180
cttttcaggtc ttcaggaact ttcacccacg gggggatgtc tttacgggtc atgagggtta   240
ccatcataat tcctg   255

<210> 106
<211> 465
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 106
gactgaggac agcatccacg ctgaaatctg cttttttatac tggttccatg acnaagtact   60
gnaagtgctg tctccgagag aagagttcaa gatcacctgn tntatgtcct gnagcccctg   120
tttcgaatgt gcnnagcagg tactaaggtt cctggctaca caccacaacc tgagcctgga   180
catnttcagc tcccgcctct acaacatacg ggacccanaa aaccagcana atctttgcag   240
gctggttcag gaaggagccc aggtggctgc catggaccta tacgaattta aaaagtgttg   300
gaagaagttt gtggacaatg gcggcaggcg attcaggcct tggaaaaaac tgcttacaaa   360

32

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ttttagatac caggattcta agcttcagga gattctgaga ccttgctaca tcccggtccc      420
ttccagctct tnatccactc tgtcaaatat ctgtctaaca aaagg                      465


<210> 107
<211> 352
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

<400> 107
gtggagacct gaaccaggag tatcttattt tttttctata cggaaaccct tgagaatgaa       60
gacaccggag gaatatatca anccttgctg tgccaaggcc ccgtggaact cacanggggg      120
aagaaangga ncaaanggca ttctatcctt atttaatgat ggttnctggt tgagnctant      180
aacctgtgag tatgtgcaac atgcatcctt tagttatgac ggnctacnac ttngaatnag      240
gctnttttg gtncaaaaca tnaaatatgn gctttnactn ctnnttttc ttttaannat       300
naaacttatt tcattacttt nctgatnaca acttntttt cctttcattt gg              352


<210> 108
<211> 116
<212> DNA
<213> Mus musculus

<400> 108
gctgtctatt gatggtatgt ctgacagtgg accacagctt gattcaatgg gtagtctgac       60
catgaaatct caacttcaga tcactgtcat ctcagccaaa cttaaagaaa ataaaa         116


<210> 109
<211> 246
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(246)
<223> n = A,T,C or G

<400> 109
tgagcctttg cttccttact ttgctggana ccagcatgct ggagtcaaca ttcaagcaga       60
ccaggactgc tgcctcttcc tccagctgtg tctctctgtc tgcgcagntg ctttgatcca      120
tgtgggccgt ctttgagatt ccctcctnga nagcgcnctc agcatgtcan cagcatcgaa      180
atcccaagtg ccggaggagg cancngcctg nntgcgagga agagcccaag ggaaaaacac      240
ttctca                                                                 246


<210> 110
<211> 216
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G
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33

<400> 110
ggacacccctt ttgccttgga ccctgtctca acctggcaca ctgaatgccc tgcctaaagt   60
gcccttgcag gttagnccaa gttctcttnt ccctagcccc agtgccacaa gttncacaca   120
ccgctactgc cagcgccagc acccctttgc tggcttcntt ttaccctatg gtcctctgat   180
caccaatcan atgctgctgt gattttttttt tttttt   216

<210> 111
<211> 120
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(120)
<223> n = A,T,C or G

<400> 111
ttcatagacc acctgtcctt gctactgagc ccactcantc aaagatttat tatanngtcc   60
gtacactgtc gctgncttca agacacccca naagagggca tnanatctca ttaaagggat   120

<210> 112
<211> 290
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 112
gtgaaacggg tacactatgg cctctctgaa gaggtttcag acgctcgtgc ccctggatca   60
caaacaaggt accttatttg aaatnattgg anagcccaag ttgcccaagt ggttccatgt   120
cgaatgcctg gaaaatccaa aaagactgta cagtggaacc tctggntact tggnaancat   180
cgatnggnat aggatgggng agcacatnca ncancttnta tnttatnnnn nncacncngt   240
tccntgtgan cntgtggggn cctgatnagg ngagctaaga tttggatatt   290

<210> 113
<211> 101
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(101)
<223> n = A,T,C or G

<400> 113
cgaggccagc ctagtctaca tagcgagtnn cccagtctat gtttctctcc agccagaaat   60
acatcctgtc tcaaacaaat aaattgataa aaggaaaaaa a   101

<210> 114
<211> 191
<212> DNA
<213> Mus musculus

34

<220>
<221> misc_feature
<222> (1)...(191)
<223> n = A,T,C or G

<400> 114
gaacccttga ttcacggaca tgccgacatg tagttgaaca tgnnncacac accngctgtg   60
acagactgnc ngatanctga acctacatcg tcnagcggaa gatgnagcct ttctacagga   120
cagcatggag atgcaaggca atacagagnc atagaatgtc ggccacccag gacgagggtg   180
tacccggggc c   191

<210> 115
<211> 157
<212> DNA
<213> Mus musculus

<400> 115
gactgaggtg gcagcatgcc ccgggcctcc ttgtgatgtc aggaggctgg acagccaaga   60
aagaagaaaa tggactccct ccttctgaag acttgcctgg aagccagccc cgagtgctgg   120
agtgcacagc gcctccaacg agaacagcta agaggtg   157

<210> 116
<211> 248
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(248)
<223> n = A,T,C or G

<400> 116
actgagggtc ctgctagctc caccttgagc acactgggca gtatgggctt acagcagcaa   60
gaggaaagtg gtgaggtcac cagccgagga gtggatgggg agaagagaga acggannctc   120
attgngaaat acattgtntc agctgnnaaa ccggacaggn ncattgtcca ccangccang   180
aggacaangg gancaccaat ctctatagca ggatttcaga tggccgagga tnctaaactc   240
agtgtcta   248

<210> 117
<211> 319
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(319)
<223> n = A,T,C or G

<400> 117
gactgaggtg gggtctttca tcatcatggc agcaagcaag acctcgcagt agcctgcctg   60
ctcatccgtg aaatgagggc cgaccccgtg cctctggggg cggagtgtga gaaaagcacc   120
ttggcgtgct cggtctgcac agggcctgac tcatagcacg ccgcgccgca agcgccgntc   180
gctgcagcaa acaataggca ttctgaccga aggccgccta gttggccacc aagctgtttt   240
gatgctaaag gtgaagctag cttttgcaat gaagttctca aatttctaat taaatcttgt   300
ttctagaacc aaaaaaaaa   319

35

<210> 118
<211> 139
<212> DNA
<213> Mus musculus

<400> 118
ccctcccaag caccctgctc cctcccaggt gactctgcct agcacatgct tcagcctcca   60
agtgactcca ctgaagccca gtgcagctgg ggtggggagt gtcaataaat gtgagcaagt   120
gtgtgtccaa aaaaaaaaa   139

<210> 119
<211> 488
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(488)
<223> n = A,T,C or G

<400> 119
gactgagatt ctgatgtatg tcaggtccca aagcaaccct agacaaatgg aagccctgga   60
gagtgtcggc cactacaatt ctttattgga aaacactgcc ccaccgcatc ttgcagtttc   120
tgtttaaggg atcggcctaa aaatctatgc ccacaggaat gatctaagtc caactcaatg   180
gactgaacag ctaagctgcc tttcttggct tcttagagga atttcaacat tctcaacagt   240
acctatggct tcagattcag aacaactctc actcttttg gaccaagaca acttctttcc   300
actccacaca taaccatcct tcctgncagc acttngactc cgacttgttt taggccatac   360
atctacattt ttactattgt tttcagccat tttaaacaaa ttctttacaa tttccagtgt   420
tataaatact gtgttttcag cttttctaag angaaagtnt cttntgggca ctttctggac   480
ggatctaa   488

<210> 120
<211> 500
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 120
actgagtttc aagagtctaa aatcaatggc ctanctgaag atttgatatg gaattgcaaa   60
acgtancacc agtgaaatcc ganggatgtt ttcttctaaa acgaanccag cagacgagca   120
gagtatatac tgaaattgga gagaatagct ccacgcgaag caaatcatta agcccttcat   180
cctcaggtag agtgaaggag gaggatctta agctcctgcc tcccaagntt gatcggattg   240
agctatgtgc gatngtcaga gaagcaggag cagctctact cgggcctctt caacagantg   300
aaaaagtnta tcaacaacct ggaaaaaaac acagagatgt gcaangtcat ggatccaatt   360
gagaaaatgg ccaatcaccn tttactacac cgncagtntt tacacacctg agaaantggg   420
aggaanatgn ctcagcnatg ctgaaagaac ctacgcactg ngaggccaac cnttgacctg   480
atntttgaag acatggaagt   500

<210> 121
<211> 176
<212> DNA
<213> Mus musculus

36

<220>
<221> misc_feature
<222> (1)...(176)
<223> n = A,T,C or G

<400> 121
gaccgagagg acagttgcta cggtganccc ccgctcattc tttctaagga atcccattag   60
ttnntgcaaa gaactgnatt nacttcgaaa cctaaaaaac aaccaatatc cgatatgcac   120
gaatacttct gctatcaaga gtctagattg gataattacc agcaaggtga cgggaa   176

<210> 122
<211> 435
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 122
tgagcacaga agaaaagcga gcnaccagga aaggccgtcg gaaaaaggat gtggncnatg   60
atagtgatga nagagtgctc atggagcgac ttaagcaact gtctgtncca gccagtgatg   120
aggaanatga ggtgcctgcc cccntacccc gaggacggaa naaggccaag ggnggaaatg   180
tttttgaagc cctgattcag gatgacagtg aggaggagga anaggaggaa gaaanccgtg   240
ttctcaancc cgccaagcca nagaaaantc gcatcaataa agccgnggnt gaggaacctc   300
ntgggctcag gagtaaaaang ggaanggagg aaaaatcaaa ngggaangcc aanagtaanc   360
ctgctgntgc aaacagtgaa ggggaaaagg aggaggagga cncagctaan gaaaaggacc   420
ctcctcacca gggga   435

<210> 123
<211> 284
<212> DNA
<213> Mus musculus

<400> 123
gctcttgggg tcataagaag tttcctgaag tcttcattgg tcagttttga ttggtggaag   60
gaatgaagat catgcacatc atggccatct ggagccaaag ggttacagag gggctcacta   120
tctccctctg gcattctggc ctcagtctct cagtgcccgc aattgaaaaa tgtctaatat   180
tgtcttttaa cagaggattg ttaacatata aactgtcttc tataatataa atgtcttcct   240
agattgtaga aaattattaa aatttaattg taagtaaaaa aaaa   284

<210> 124
<211> 508
<212> DNA
<213> Mus musculus

<400> 124
aactgaggca agccgagtgc tggttgcttc ccgtaatttt gcaaatgatg ctacatttga   60
gattaagaaa tgtgaccttc atcggctaga agaggccccc ccagtcacca cagtgctcac   120
cagagaggat gggctcaagt actacaggat gatgcagact gtgcgccgga tggagctaaa   180
ggcggatcag ctgtataagc agaaaatcat tcgtggtttc tgtcacttgt gtgatggtca   240
ggaagcctgc tgcgtgggcc tggaggctgg cataaaccct acggaccacc tcatcactgc   300
ctatcgagca catggcttca ccttcactcg gggcctgcct gtgcgagcaa ttcttgcaga   360
gctaacaggg acgaagagga ggttgtgcta aagggaaagg cgggtcaatg cacatgtacg   420
ccaagaactt ctatggaggc aacggcatcg ttggagctca ggtgcccctg ggagcaggaa   480

```
ttgccctggc ctgcaagtac aatggaaa                                            508

<210> 125
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(514)
<223> n = A,T,C or G

<400> 125
ctgaggctgc tctttggcgt nttttgcaat cgattaggga tcgtttctca gactcaagtt          60
agaagtgnga gttcagataa gtgaggccga cattgctgcc ttgaagaagg ggagaatgga         120
tttatcaggg agtgaaaaag aagagcttgc taggagtcaa agagaataat anaaagtcca         180
gcactagggc tccttctcct accaaacgca aggaccgatc tgatgagaan tccaaggatc         240
cgatctaang ataaaggggc cactaaagag tcaagtgaga aggatcgtgg cagagataag         300
actcggaaga gacncagtgc ttcaagcgga agcagcagta ccaggtctag gtccagctca         360
acctccagnt cggggctcca gcaccagcac aggctcaagc agtggctcca gctcgtcctc         420
tgcatccagc cgctcaggaa gctccaggca cgtcccggag ctccagttct agcagctcct         480
ccggctcccc aagcccttct cggcgcaagg catg                                     514

<210> 126
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G

<400> 126
gaactgaggt tgcctatcag agagaanttn tagtacnaga tncatgaggg ggnaattgat          60
ngaatccagn acgatggatc cgngntcanc ttggagtcca tgcttcntnc canacacgac         120
tgccataaaa ccttctntac tcgngncacn ggtttcanga ccttgngnga nttgacatnc         180
aatgacntgc ttttacttcg ncttanaact ggaatgacac tttctgggaa tnatacaagt         240
ttggctccat cacgtanaan tttatattga cagattcgaa gatttgcaga agtcgngctg         300
tgacccattt ancatacaca agnaagctag ccatanacaa cctgcacgnn attgacttan         360
atgatgccac ttttctgagc gccaagtttg gaagacagct tgtacctggt tggaagcttt         420
gccccaaatg tacccagatc atcaatggaa gtgtggacgn tgattcagat gaccgccaga         480
gacggaaacc cgactcanat gtatgtatag aggcccnttg tgctttctac agagaaa           537

<210> 127
<211> 437
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(437)
<223> n = A,T,C or G

<400> 127
gactgagatg caaattccat ccactccttt ccacttaaag atattctcct gggagatcga          60
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gaaatttcag ctggaatttc atcttatcag ttactgaatt atgaagatga gtcagatgtt    120
tccctctatg gaaggcgaag caaccatatt gtgaatgacg tggggattaa tgtcactgga    180
tctgattcca tcgcagtcaa agcttcattt ggtgtcgtga ccaaacatga ggtggaagtt    240
tcgacattac tcaaggagat tactgcacga aaaattaact ttgaccacag tttgatccgc    300
caatcaagga gcangcagga aggcggtgct gtgccgtggt catgggagag catccgaacc    360
acaccgccag tgctctctgt cgntgcacgc tgggattcgt ggggaacccc ttgcnggntt    420
cattttatgg atgaaca                                                   437


<210> 128
<211> 495
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 128
actgaggcag cccggaggcc cgggctccgc ccctaacgtg acacagatct gacgcatgcg     60
cagcggcgcg cgctgtttcc ggnagtgtcc tgtgctgttt nagtggcggc ctccgacatc    120
cccacgctgc ttttgctgca ggaactctgc agcgtggacc ggcgtcagcc tgggcggggc    180
caaggttccn gtctggcgcc gcaggatgga gataatccgg agcaattnta agactaatct    240
tcacaaagng taccaagcca tanaggaggc tgacttcttc gccatnnatg gggggttttc    300
aggattcang aatggaccct cagtaacatg cattaacaag tggtntttga caccccanaa    360
gagagatatc agaagcttaa aaagcatttc catggacttt ttgctggtct cantctggcc    420
tttgtgcttt taagtatgac cacacanatn ccnagcatgg taacgaagtc atttaacttc    480
tatgttttcc ccaag                                                     495


<210> 129
<211> 539
<212> DNA
<213> Mus musculus

<400> 129
gactgaggtg gggtctttcc ggccgacggc ggccccgcag agcccaagat catgaaggtc     60
acggtgaaga cgcctaaaga gaaggaggag tttgccgtgc ccgagaacag ctcggtccag    120
cagttcaaag aggaaatctc taaacgtttc aaatctcata ttgaccaact tgtgttgata    180
tttgctggaa aaattttaaa agatcaagat actctgagtc agcatggat tcatgatgga    240
cttacggttc accttgtcat caaaacacag aacaggccgc aagataattc agctcagcaa    300
acaaatgccc ctggaagcac tgtgaccagc tcaccagctc ccgatagcaa ccccacgtc    360
tggttctgct gctaacagct cctttggcgt aggcggactt ggaggacttg caggtcttag    420
cagcttgggt ttaaacacca ccaacttctc tgaactccag agccaaatgc agcggcaact    480
tttgtctaac cctgaaatga tggtccagat catggaaaat ccctttgtcc cagagcatg    539


<210> 130
<211> 516
<212> DNA
<213> Mus musculus

<400> 130
tccctaagga ggaggcgctc aggcggaggc ctcttgtcag cagaaccaga gatggcatca     60
gtagatttca agacctatgt ggaccaggcc tgcagagctg cagaggaatt tgtcaatgtc    120
tattacaccg actatggata agcggcgtcg gctgctgtcc cgcctgtaca tgggcacagc    180
cactttagta tggaatggaa atgctgtttc aggacaagaa tccttgagtg agttttttga    240
gatgttgcct tccagtgagt tccaaatcag cgtggtagac tgccagcctg tccatgatga    300
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39

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cgctacacca agccagacca ccgtgcttgt ggtcatctgt ggaacagtga agtttgaagg      360
caacaaacag cgggacttca accagaactt catcttgact gctcaggcgt cacccagtaa      420
cacggtgtgg aagatagcaa gtgactgctt ccggttccag gactgggcca gctagtgggg      480
gtgaccgagg catcttaact taagcccagc tctgca                              516


<210> 131
<211> 270
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 131
aaggccaggt tggctacgca cccctatggc aaagggngga acctgatgca naacatcatg       60
gacaacatgc ctatctacat gtactcggng tgcaacgngg tatccggcag accaggacaa      120
ctggntccgc accaactggg tgtaccggga ggaggccnag ccgcatcttt attgagctca      180
agttcacggt gcganantgt aacagcttcc cggggggggc cagntcctgc aaanagacct      240
taaacctcta ctatggagga gtcagatgtg                                      270


<210> 132
<211> 243
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(243)
<223> n = A,T,C or G

<400> 132
cagagctgac tgctctgang acaggagctn ngcctgattn cacnntccat tgtctgatgt       60
ntcaganant atnccagcgc ccggagatgt ancggtcctg cnctctgtgc nttnttatan      120
aagaaagacg ancttattct ttcctgnagg ctgaacanta ccgcgtgagg atccattttc      180
agganntccg ggaaagagac gaacttgnac acanacttat gnccgatcac tttcttgatg      240
atg                                                                  243


<210> 133
<211> 473
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

<400> 133
gctaggatcc cacacagact ggctcacatt aaatgtanga ggacngatac ttcacaacaa       60
caaggagcac tttagtgant aaagagcctg acagtatgct ggcgcacatg ttcaaggaca      120
aaggtgtntg gggaaataag caagatcata gaggagcatt cttaattgac cgaagtcctg      180
agtactttga acctattttg aactacttac gtcatggaca gctcattgta aatgatggca      240
ttaacttatt gggtaagtat ttcacaggca tgggagtact gtaagtatgg cagtgtaggt      300
atcaggatgg ataggtagtc tttctggctg agtatctttg cttatatgtt tctttagccc      360
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40

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acaaattttt tatttggatt ctaagnagat ttaagttcta tcacagggga ctttnatagg      420
ttggtattgt ttctttggat taaatgactg gttcttcact ttaaaaaaaa aaa            473


<210> 134
<211> 370
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

<400> 134
aggaacaccg catcccttgg gaactgacgn tataggaaac tgtgaacacc tgcagtgagg       60
gctgagaacc aaactggngc tcnctagaaa agcagccaag tgagagtaat gaccaagcat      120
tctctccagc ctggtacttg ctttttaaatg gaggtaactt ttgnntccgt gtggctcctt     180
actatttaga acttaancaa agaaggcaca gaatctcaca aaatatttat tgatttggtc      240
ttggctcatt ttttttaag ccaaaaatca gattttataa acatggaaaa tatattcaaa       300
atgtttttcca ctaacatgga agatgggaac cattgcttta ataataagt gtaacactag       360
aaaaaaaaaa                                                              370


<210> 135
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(508)
<223> n = A,T,C or G

<400> 135
ctccgtacct gcctctggat tncccaggca ctgaccactt tgtcatcatt gctcagctga       60
aggaagaggt ggccactctg aagaagatgc tgcatcagaa ggatcaaatg atcctagaga      120
aagagaagaa gntctcgncn ntagacccgt ttgcnngtca gagcctnnca gtntgagacn      180
cctggccnaa tggngcnnga tgntnactnn ctgttaggag nttnccatng cactgaangc      240
naaataccnc tngcttcnna aacaggcagc tgccttgtcc aagagcaaga agtctgagaa      300
gtcaggcacc ataacgtctc cgtgaagacg tgaggaggct cccagcacca agcccgtgct      360
cccggntcag ggctgctgag ctggctggtc tctgggaagt gtgcttccta caaaatctct      420
atattttctt accttacct ctttgntcgg atgcagggc tgaaaggaac tcctggtctg       480
ngccctgntn tggctgcatg ctgagcgg                                         508


<210> 136
<211> 341
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

<400> 136
gactgagcgg ccttttnaga gagtatgaag agagtgcgtc tgtagggcag ggaagatggc       60
ggacaagcgc aaactccaag gtgagattga tcgctgcctc aagaaggtgt cccgaagggg      120
```

41

```
tggagcagtt tgaagatatt tggcaaaagc tccacaatgc agccaacgcg aaccagaaag    180
aaaagtatga ggctgaccta aagaaggaga ttaagaagct acaacggctg agggaccaga    240
tcaagacatg ggtagcatca aatgagatca aggacaaaag gcagcttatt gaaaaccgca    300
agctcattga gacgcaaatg gaacggtttc aaaaaaaaaa a                        341


<210> 137
<211> 528
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

<400> 137
tgagatacca tgatggcccc ctttgcatct ctggcatctg gcatcctctt gttgctatca     60
ctgatagctt ccagtaaggc ctgtagctgt gccccacccc acccacagac agccttctgc    120
aactcggacc tggtcataag ggctaaattc atgggttccc cagaaatcaa cgagaccacc    180
ttatnccagc gttataagat caagacgact aagatgctaa naggattcaa ggctgnggga    240
aatgccgcag atatccggna cgcctacacc ccagtcatgg aaagcctntg tggatatgcc    300
cacaagtccc agaaccgcag agaagagttt ctcatcacgg ngccgcctaa ggaacggaaa    360
tttgcacatc agtgcctgca gcttcttggt tccctggcgt actntgagcc ctggctcaag    420
naaagaagct ttctcaaaga cctatagtgc tnggctgtgg ngtgggcaca gtgtttccct    480
gtttatctat cccttgcaaa cnggnagaag ngacactcac tgtttttg                 528


<210> 138
<211> 181
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(181)
<223> n = A,T,C or G

<400> 138
cacacccagt cctgtggacc cagacaccgn ngaggtgcta ntgacctttg aacctgatcc     60
cgatgatctc gccctgtcaa gcattccagg ccatgagact tttgaccctc ggagacaccg    120
cttctcagag gaggaactga ttgcctcaac caatcataga ntaaggcaag gaatgtccag    180
g                                                                    181


<210> 139
<211> 530
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

<400> 139
gactgagttc cggttcctag caaatttact agncgagtat caggctgggn anntangtta     60
ngccctgctg ntnaagannn ngatnacgat ccgagggtgg tatcntgccc atactgnatg    120
anctaagntg ccgagatnca ccaactatgt atanatattn anncntatat atactcatag    180
```

```
acacacacca cncnctctcn acanctnnnt nccatgttng anntgntgtg ncgtttnnnc    240
cgngcgtgtn attgaccang gcgacgacgg ggaccncttt tatgtcatag aacggggaac    300
ctatgacntt ttagtaacga aagataatca ancacgttct gttggtcagt atcgacaacc    360
gtggcagntt tggagaacta gctctgatgt acaataccccc gagagctgct accatcatcg   420
ccacctcaga nggctccctt tggggattgg accgggtgac ttttanaaca ntcatagtga    480
aaaacaatgc aagaagagga agatgnttng aatcatttat tgaggtctgg               530


<210> 140
<211> 437
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(437)
<223> n = A,T,C or G


<400> 140
ccagatggag acgtgagccc ttggtgctac gtggccgagc atgaggacgg agtctactgg     60
aagtactgtg aaattcctgc ctgccagatg cctggaaacc ttggntgnta caaggatcat    120
ggaaacccac ctcctctcac gggcaccagt aaaacctcta acaagctcac catacaaacc    180
tgtatcagct tctggcggag tcanagattc aagtttgctg ggatggagtc aggctatgcc    240
tgcttctgtg ggaacaatcc tgactactgg aagcacggng aggcggccag caccgagtgc    300
aatagtgtct gcttcgggga ccacacgcag ccctgcggtg gggacggnag gattatcctc    360
tttgacagtt cctgctctgn ttaagatact gtctgnactn ccttcaaaaa tgaacggnna    420
tatggaactg taaacca                                                   437


<210> 141
<211> 450
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G


<400> 141
gactgaggac ggagatgcta tgnttggagg tatgcttgng tggcccccac cggtgntcnt     60
naccaagctt aangntgacn gtctangcac cggaggntna cancnngttn nntcagacan    120
ctcncgtgat agnccagaag gcnccagact ctnattctga tgtactggaa nttnaggana    180
tcctgatgaa gtcatcttta gctcactnag gaagcgctaa atcangattg ctcncntant    240
atttgtagaa ntgtgcntgt ncttaaangn nagggccttt ttgacatgaa ctggagaant    300
gtaatggaaa gtnctctaga agaggnactc cacgcgaagt ttactttcna cctnaaggtc    360
tccattntcc tggacttaac cagaggctca agaggtagga agaactctcg cactatnctg    420
ctcccactcc tgaagaggtt tccagagcgc                                     450


<210> 142
<211> 121
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(121)
<223> n = A,T,C or G
```

43

<400> 142

```
ctagcgccaa ttacatcaag aagatattnc acagcgnggg tatcgaggcg gacgangacc      60
ggctcancaa ggttatcann gagctgaatg gaaaaaacat tgaagacgtc attgcccagg     120
g                                                                     121
```

<210> 143
<211> 528
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

<400> 143

```
ctgagctcca gcccaggccc agtntgtgca tgcggggcag gcctgtgtgg tgaaggagga      60
taacatcagc gagcgggtct acaccatccg ggagagcgac accctggtgc tgcagtgcct     120
ggtcacggga caccctcggc cccaggtgcg gtggaccaaa actgccggca gcgcatcgga     180
caagttccag gagacgtcgg tcttcaatga gactctgcgg atcgagcgca tcgcacgcac     240
gcagggaggt cgctactact gcaaggcgga gaacggagtg ggcgtgccgg ccatcaagtc     300
tatccgcgtg gacgtgcagt gtgagttatg gtctctcgag gttctggacc ctgacgggac     360
gggcccttcc agggctccgg acccctcagg gatgagaaag ggagatagga tggagcagtg     420
gcaaggtagt gaagggctgg aaagacctct ctggaaatgg tcagctgtgt gttgcccttc     480
cgccctgtat ctccctaaac catttctgca ttttccatgt cctctcga                 528
```

<210> 144
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 144

```
gtgaggtgtg aatgaggcag gatgaactgg acaggtctat acaccttgct cagtggcgtg      60
aatcggcact ctacagccat ggccgagta tggctgtctg tcatcttcat cttcagaatc     120
atggtgctgg tggtggctgc tgagagcgtg tggggggatg agaagtcctc tttcatctgt     180
aacaccctcc agccgggctg caacagcgtc tgctatgacc attttttccc catctcccac     240
gtgcgcctat ggtccctgca gcttatcttg gtttccaccc cagctctcct cgtggcaatg     300
cacngtagct naccaacagn acatagaaaa gaaaatgctn cggcttgagg ggcatgggga     360
ccccccttcac ctg                                                      373
```

<210> 145
<211> 426
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

<400> 145

44

```
actggaagac tcagtcctag gcccgtgggg aaagtggcat tgtttctgca gcctgggcag    60
acaggaacgc agccgtcagg tgttgggcac ggcaccagtc cctgtgttca tggaccgaga   120
gaagctggta cagatgaggc cgtgccggca acaggattgc tcatcttgca gcctgaagga   180
ctgcaactag aggccctgag cagaggtgan caacanacgg gncatggnaa tgctagncag   240
aactggctga cagatctagn gcaggnactt aacatgaggg cgcggccctt taatcccagc   300
acttgggagg cagagacagn cagatctctg gggttcnagg gccgcttgat ctacanaatg   360
agttcccaga agntccagga gcggccnagg attnacagat aaaccctgtc ttgaaaaata   420
aaaaca                                                              426
```

<210> 146
<211> 186
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(186)
<223> n = A,T,C or G

<400> 146
```
ctcacgctcc tcaagctcct ctcccgcaaa ggcccccagc ctccgtgcaa gcattcttaa    60
actctttacg cctaacngaa caagcacagt tttttcaacg gtgaagaaaa agcaccagac   120
ttgtttttcct gaagaaatcc cccaagccgc caaccccgtc tgtgggacaa acattcccca   180
gcgtgg                                                              186
```

<210> 147
<211> 185
<212> DNA
<213> Mus musculus

<400> 147
```
tgaggtgacc ccatctctgg tgttcgccgt gactgttgcc acgatcggct ctttccagtt    60
tggctacaac actggagtca tcaatgtgcc gagtatggca ggtaactatt ggtacccgct   120
aaaagtttta tgacaaagtc ttagaaataa actggctttc tgaaactggc ttctaaaaaa   180
aaaaa                                                               185
```

<210> 148
<211> 486
<212> DNA
<213> Mus musculus

<400> 148
```
cggactctgg gtattttttcc gtgctgctgg atgtgaagca cttcttgcca gaggaaatct    60
ctgtcaaggt ggttgacgac catgtggagg tccatgctcg gcacgaggag cgcccggatg   120
aacacggatt cattgctcga gagttccacc gccgataccg cctgcctcct ggtgtggacc   180
ctgctgctgt gacctcagca ctgtctcctg agggtgtcct gtccatccag gccacaccag   240
cgtcggccca ggcccaactt ccgtcaccac ctgctgccaa gtaggggtcc cagctgcaca   300
ggaccgaacc caggaagcct ctttaggctc tcttttaaaa gccgatctga ctccactgcc   360
cagccagatg tcccaattcg ccgtcaagac agcctttccc aaccacacct agatgtcctt   420
cggagacctt tccacccta agcctacctg agccctagta acctagacag cctccctaag   480
ccctct                                                              486
```

<210> 149
<211> 255
<212> DNA
<213> Mus musculus

<400> 149
```
tgaggatccg gaaagggggа gtggcttccg gcatgaagca cgtagaaaca aactcctgtg      60
atgtccagcg actgttgcac gtcaagggca agaggaatgt gctggctgga gaggtggaaа     120
tgtcctggaa gagtttcaac agaggggatg tcttcctgct ggaccttggg aagcttatta     180
tccagtggaa tgggccagag agtaaccgca tggagagact tcgggtaacc ccatcagggc     240
acctcatttc tgcaa                                                      255
```

<210> 150
<211> 541
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(541)
<223> n = A,T,C or G

<400> 150
```
actgagtgaa aggtaaagag caagagaaga ccttagatgt caagtccact aaagcttcag      60
tagccgnaca ttccccacaa aaaagcacta aaaatcatgc cttgctggag gctgcaggac     120
caagtcatgt ngcgatcaat gccatttctg ccaacatgga ctccttttca agnagcagga     180
cagcaacgct taagaaacag ccaagccaca tggaggctgn tcattttgga gacctaggca     240
gatcctgtct ggactatcag actcaagaga ccaaatccag nctttcaaag acccttgaac     300
aagtcttgcg tgacactgtt gtccttccat atttccttca gtttatggaa cttcggagaa     360
tggagcacct ggtgaaattt tggttagagg ctgaaagntt tcactctaca acgtggtccc     420
gaataagagc acacagtcta aacacagtga aacagagttc actggctgag cctgtctctc     480
catctaaaag acatgagact ccagcatctt ctgtaactga ggctnttgac aggaggttgg     540
g                                                                     541
```

<210> 151
<211> 550
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(550)
<223> n = A,T,C or G

<400> 151
```
acgaggagga agagatanng accaggactc tgctgaggaa ggcactgcng naaagnncnn      60
ganaccgagg ncgacncang ancgntngca ggcttgagan tggggnancc tcctgcagga     120
cattcgacct ccatgcttga taagtattgg cctcttcttg accgggctcn tgcttcccaa     180
gtgtgccgna atnggaatca gnagcancag aancnnatga agctgctngt gacatactgt     240
nancnacttg agaatgtgct ctttagaaac gctgggantt atctcgnctg cccggccaag     300
ctttatggat ntaccaaagt cttnccnata aaatatttct actagaacta ccatttgcta     360
agtgatgagt tgttagctcg cactgtcttc tgaaaagcat gttccgctta gaacattttg     420
cgcattgatg ttgtcagnga gaaccccggg nacaagacac actttccaca ctatncagaa     480
gagcagctgg gatgccttta atnaaaacac ttnacccaaa aagtcaacct aagtgatgta     540
ttttttattt                                                            550
```

<210> 152
<211> 222
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(222)
<223> n = A,T,C or G

<400> 152
gactgagttt atgcaggctc ttggngaagc tggtgctgct gctgctgtgt gattaccgcg   60
gacagacctt gngaccgagg ccngcgctgg cagctggana tggcggacac accgtcagtg   120
tatgaaacca gatttgaggc ggccgtnaan gtgatncaga gtttgccgaa naatggtatg   180
tgcagtgggc tctaggtaaa agaccttttc cagctaaaaa aa   222

<210> 153
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

<400> 153
cggctcactt tcttcctntg gccatcaanc tanggaggtc ctgnnggcna gcnatngnnc   60
atgacatatg ctnncncgnt ngngnttttng antgnncgng tntggtactt gaactngana   120
nnttccngcc tctncaatgt taanagancc accatcccng aaacattagg tncccttgatg   180
atactccatc ctgtatttgt tttgaaantg tacactggtg tgagatccct tggaactgga   240
gttacagaca attgtgagct accatgtggg tgctgggaat tgaacccagg tcctgtggaa   300
gagtagacng tgctcttaac cactgagcca tcgctcnggc accttgtgtg ctggtcttaa   360
acttgaacag gctgccttgg aaactcgcga tgctatggtc tggggttaaa ggtatatgcc   420
tcagcctact ctctgaattt ttattttttac tttatttggg ttctcttttg tagttctgtc   480
tcc   483

<210> 154
<211> 414
<212> DNA
<213> Mus musculus

<400> 154
aactgaggtg agaggcggtg gccgaagccc gagcccttgc gggagggcgg attggagcgg   60
cgctgagcac ggcgggcaca ggcccggatg atgaggtaca ccacctccgc cacgttgagg   120
ataatgcaga tgccggaggc tgcgagcata aagacagtga agacggtttt ctcggtgggg   180
cggggacacc gaagcagtcc actgtgttgg ggcagggaa ggcttcacac ttgaccagcc   240
gcaccatggc atagccgggg tagagcagat agaagacata catgaagaca gcctcgaaca   300
gcagccggaa caccacactg atgacatagg tccaccacag tgtccctgag atgtgcacct   360
tgtgtctctt tacctcttcc aggtgaaggg ggtccccatg cccctcaagc cgta   414

<210> 155
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

47

<400> 155
actgagggcc gtccggcgcg ccaccactct gcccaggtct ccaactaggg gagcggagaa   60
ttttcaccaa cggagccgaa cgctgacgac taccgggaac aagcgaaacc ggcacgctca   120
tcctcccgca ttagttccca gtagggaact attttccggt acactctagg cggtccaact   180
cttttcanaa gagcttccgg tttccaccca cctacttccg ctgtccccac ctctttcttt   240
ccggcacccg gatatgagcc gttctcgcga gaaccgtccc tctttctaag ccggcgatcc   300
gtcagggtga agccatgttc agctccgagc gccaagatcg tgaagcccaa tggcgagaag   360
ccnggacgag ttcgagtctg gcatctctna ggcgctgctc gagctggaga tgaactccga   420
tctcaaggcg cagctgcgtg aactcaacat caccgcancc aagggaaatc gaagtttgg   479

<210> 156
<211> 293
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 156
gaactgagga gttcccttcc ccaagaactt ccagcaggtc tgcaccaaga tcctgacccg   60
actcttccga gtctttgtcc atgtctacat ccaccacttt gacagcatcc tcagcatggg   120
ggcggaggca catgtcaaca cctgctataa gcacttttac tacttcatcc aggagttcag   180
cctggtggac cagagggaac tggagccact gaggagatg acagaangga tctnnnactg   240
agngcngatc tngatgctgg tgcctgtcan atggaccatc tgcagacagt gta   293

<210> 157
<211> 226
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(226)
<223> n = A,T,C or G

<400> 157
gactgaggca tcagtttcaa actggaagaa aaaacggccc acagcagcct ggcactcttc   60
agaggcgaca cgggtgtcaa ananggnatn gnanngactg gancccaccn ctgtggccct   120
gaatttggag cgcttccggg agtgggcagt ggtgctctgg agacaccaca ntnaccagtg   180
gcagacacta cttgggaggt aacatgtgaa gcccatccca gcattt   226

<210> 158
<211> 234
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

<400> 158
aactgaggtg cagtgagcct gccactcgcc ctcactcgtg gcataccacc aaatttgggg   60
agacacagcc tgatgtcagc atgatgcaga tatctcaggg cacaatgggc cctccntggc   120

```
accagagcta ccattccagc tcttcgacca gtgacctctc caactacgac catgcttatc      180
tgaggcggag ccctgaccag tgcagctccc aggggagcat ggaaagaaaa aaaa            234


<210> 159
<211> 275
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 159
gatcaacaag aaatgttatg aaatggcctc tcacctgcgg cgttcccagt actgacctca       60
tctgtccctt ccccccaccg ttccctttgg cttttgcacc cccttctttc catacacaca      120
cataccatta tttttgggc cattacccca tttcccttat tgctgccaaa accacatggg       180
ctggggggctg gggctggatg gacagacacc tcccctacc cataccccct cctgtgtgtg      240
tttggaaaat ttttgntttt gggtttcatt ttttg                                275


<210> 160
<211> 235
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 160
gaactgagga ccctgcagga atctttgagc tggtggaggt ggttggcaat ggaacctatg       60
gacaggtata caaggggcgg cacgtcacga ctggncanct ggctgccatt nnngtcatgg      120
atgtcacaga ngatgaggag gaagagatca cncnggnaan caccatgttn aagangnact      180
ctnaccatcg ncantattag ccacctacta tggngccttt atctagacga gccct          235


<210> 161
<211> 514
<212> DNA
<213> Mus musculus

<400> 161
aactgagtga tcagagccaa agcagtgagc gagaggaggt ggattccggg aatgacatct       60
atggcaaccc catcaagagg attcagtatg agatcaagca gataaagatg ttcaaaggac      120
ctgacaaaga catcgagttt atctacacgg ccccctcttc agcagtgtgc ggggtctcgc      180
tggacgttgg aggaaagaag gagtatctaa ttgcaggaaa ggcagaagga gatggcaaga      240
tgcacattac cctctgtgac ttcattgtgc cctgggacac gcttagcatc acccagaaga      300
agagcctgaa ccacaggtac cagatgggct gtgagtgcaa gatcactcgc tgtcccatga      360
tcccttgcta catctcctcc ccggatgagt gcctctggat ggactgggtc acagagaaga      420
gcatcaatgg gcaccaggcc aagttcttcg cctgcatcaa gagaagtgat ggttcttgcg      480
cgtggtaccg cggggcggca ccccccaagc aaga                                 514


<210> 162
<211> 502
<212> DNA
<213> Mus musculus
```

<220>
<221> misc_feature
<222> (1)...(502)
<223> n = A,T,C or G

<400> 162
ctgagccttt ctgaagggcg ctgagtgaca agcagagaga ggaacattac ttctgcaagg   60
atttcattaa gctgaagaag atccccacgt ggaaggagac agcaaaaggg ctggctgtga   120
aggtggagga ccccaagtat aagaaggaca agcaacttga atgatgaaaa tctccctgta   180
ccgtggggac atcaccaagc tggaggtgga tgccattgtc aacgctgcca acannttcct   240
ggngggaggc ggaggggtag gacggctgna ttcatcaggn ccgcgggatc cctgctcacg   300
gacgaatgcc cgcaccctac agaaactgcn aagacccggc aaagtccaag atcactttgc   360
gggctattcg gcttgncagn gcaagtntgt nattccnnca cgggtggggn gcccatccgc   420
cgtngggccc aacccnctng nncaagncaa gggcnggnca gagctncccg nagcttgctt   480
actttgaggc aagcgcttgg ac   502

<210> 163
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 163
gaactgagga gtctcnattt atggatcgta agctgngnaa nnncacatgn ataacatccc   60
ntcagtacag tggacaggga ctgctnnnaa gccacancta ccnataaggn ngcatatngc   120
taccgagccn tagnagttct ccggtagctt tgtganaggc acatgaagca tcttcatctg   180
tgggcggagg agtaggagtg atctacagag tgaanaaagt cactcggtgc taggcgctgg   240
naagtngggn ngtggaaagg ctctgggtca cagcacgtgc atcctgggca ctggaggcag   300
ctgtgcttca tgtggtatcc cagcctttca agtgtgacag aagcctcatg acaagaggtg   360
ccacagctga ctgctaagcc cagaggctga gaaactatgc ttcctaaaac ccagagctca   420
tgcgaggaat tnantttcca cctcacagaa aacaagtata aatagtggca caactactg   479

<210> 164
<211> 405
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 164
gaactgaggc ggattcgaaa gcttcagcag ctcccctatg gcggagcagg cggctacacg   60
cagtcccccg gtggcttcgg gtcgcccaca ccgtcgcagg cggagaagaa atcgagagtc   120
cgagcccagc atattgtgcc ctgtaccata tcccagctgc tttctgctac tctgactgat   180
gaagtgttca gaattggaga tgtcgagatt tcacaggtca ctattgtggg gataatcaga   240
cntgcggaga aggctccaac caacattgtt tacaagatag acgatatgac agctccgccc   300
atggatgttc gtcagngggt tgacacggat gatgccagtg gtgagaacgc cgtggttcct   360
cccgaaacat acgtgaaagt cgctggtcac ctcaggtctt tccag   405

<210> 165

50

<211> 411
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

<400> 165
```
tctaatgatg atgctcttca gtatgtntga agaattaatt ttgcnnttac tanntatgct      60
atgccaagct cagccccgga gtgcttcaga tgtggaggaa cgngntcana nnagttttcc     120
tcatccaatt gatnagggg caatagctga tgcccaatca gccnttgaaa agaggaagag      180
acanaaatcc tttatcgctg ccagcngaaa gaattcatca tttattaagg gaggtcctcg     240
gttataaaat tgaccaccag gnttctgntt acatagtagc agtattagaa tacatttctg     300
cagatatttt aaagctcgtg gggaattatg taagaaatat acggcattat gaaattacaa     360
aacaagacat taaagtggca atggngtgct gataagggat tgatggatat g              411
```

<210> 166
<211> 396
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 166
```
catcttggca cacagcaatc ttaancccac tgaatggatg ggaacagctg gcanagcgtt      60
tctaggacct ccacctntgn tnggcanccc ctcctttgtg cctctctcca agttcatgaa     120
cacccangta ttttggaact attggttngg gaacgcctcc tcagaatttc accgngagtc     180
tttgacacgg gttcttccaa cttgtgggtt ctgtccaggg ggnggacntt tcttcagttt     240
ggcatgctgg tttcaccatc cgctttaatc ccaaggccnc caacntcttn aggcccaatg     300
gggaccaagt ttgccattca gtatgggacc ngggcggntn gaagcggaat cctganccca     360
gggcaatctt gactatcggg agggagtcca cagatg                               396
```

<210> 167
<211> 509
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(509)
<223> n = A,T,C or G

<400> 167
```
cattagcaga ggggactnca tgtatntctg tnataccngc ccgtcanaca tgagaatgac      60
ngctggtggn nctcaaagnc agacacttgn cnaagatgga tatcacnagg tctntcaggt     120
nntccttatn tcaaggagaa cgtctactac tggcagaaaa ctgcattgcc aagaagaaaa     180
cccatgtaaa gaagtgcact ttgaaccccg tcttcaatga gntgttcatg ggnggaggtc     240
cccaccgacc ttctgcctga tatcagcatc gagttccttg tcattgactt cgatcgcact     300
actaagaatg aggtggtagg gaggctgatc ttgggggcac acagtgtcac aaccagtggt     360
gcggaacact tggagagagg tctgcgagag tcccccgcaa gcccatagcc aagnggcaca     420
gnctgagcga gtactaaccc tggggccagg ngggagggcn catggngggg agaggtgaca     480
```

51

```
ganaanctga ctnaaaacct atgcctgac                                        509

<210> 168
<211> 504
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(504)
<223> n = A,T,C or G

<400> 168
actgagctgt ttgaagccct atgcaaagct cacgggtaat gacccacttg gagaatggga      60
aagctttata aagtgggtag aagagaattt tcctgacaat aaagaatact tgatgacatt     120
atnaaaaaca ttnanngagg ggnntttta cctaagaaga actaccacaa tgattcaaga      180
ttcatcaatt attgcttaaa atttgctgag tacaacagcg accgtcatca gtttttngag     240
tttctgtaca accaggggat tggaaccaag tcatcatata tatacatgtc ctgggcaggg     300
catctggaag cccagggaga gctgcagcat gccagtgcta ttttttcagac aggaattcac    360
aatggaggct gaacctanag aactactaca gcaacaatac aggctattcc aagcacgcct     420
tactgggaat ccatttgcca gctcaagcta caaccctcag aacctttgca tagtgcacag     480
attttaaacc aaggttatga tgac                                            504

<210> 169
<211> 307
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G

<400> 169
gactgaggaa gttctccagc agctgatcgt aatgaatttg cccaatgtct tnatgatngg      60
aaagacccgn tnnctgggaa gagnanggag gncattacaa nanctntgnt gttcangcnt     120
cctntgccac ctccgggggac ggactctatg aggggctcac atggttaacc tctaactaca    180
aatcctaatg agcgtcctcc acccagcccc cggaaggaga gaaatncana acccangggg     240
gaggattatc gccacctcca tcacctcttt gaattgccac tctctttttt gaatctgaac     300
tctggag                                                               307

<210> 170
<211> 222
<212> DNA
<213> Mus musculus

<400> 170
agcacatagc cacagcactg aacctgacag aggtccaggg cccaccctca tgtgccagag      60
taggtcaatg ctcccctgca gccttgctac gtcctaagaa ttttccagtt cctgatgtga     120
ctccagacta catctctaca tttaggacca gcagcctgca gtaacagtgg gacagcaggc     180
cttggcaaca gatgttttcc gattttctga acctactggc cc                        222

<210> 171
<211> 298
<212> DNA
<213> Mus musculus
```

52

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 171
aattattgtt gaggcggtcc aggacctnac gcagctttgt tgnntagacc ggnggccana   60
acctggctgt acttcccatc cttcacatcc ttctgtctgt ncaagaacca gtctgggatc   120
ttgtactgtc gtgggttctg catgatggtg atcactcgct ccacctcatc cttgcgtgag   180
ttctccagcc ctcttggtga ggtcgatgtc tgctttcctc aacaccacat gagcatatnt   240
ccgccccacg cccttaatgg cagngatggn gaaggctatt ttccgccgcc catcgatg   298

<210> 172
<211> 394
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

<400> 172
gaactgaggg ctgtctctag acctggggga cgcaccccag ttccaacacc tgctgtcctg   60
ggtggatgat gaaccagtct cagagaatgg cacccgtggg ctctgacaag gaactgagtg   120
acctcctgga cttcagcatg atgttcccag tnnccaagcn caaangttaa cttcctctcc   180
ngttaaccca gaactgggaa acaaagcagc atgctccctt ttcaaaaagg aaagaatnnt   240
ttnttangnn tgtaagacgg aagagncgga ccgtgccctg gcagggcggc ctgggactgg   300
cttctacttc agagccacca gcacatngtg cctaagcatt tttcgttttt tttaaaggag   360
aataanggaa cattagnttt cagaaaaaga aaaa   394

<210> 173
<211> 134
<212> DNA
<213> Mus musculus

<400> 173
aactgaggac tggtggaacg aggtggtgtc atgattgagc cgctccccaa ggaagtgaag   60
gtttatctcc tgactacatc cagtgccccg tactgtgtgc accacagcct tgtggagttt   120
tatttgaagg agaa   134

<210> 174
<211> 480
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(480)
<223> n = A,T,C or G

<400> 174
gctgcgtccg gctgaggtct ggacatccag gcangctctg ccggacttgt nccagaaaat   60
gctagttact ganctggaat acgctttaga caagaaagta gancaggatc tctggaatca   120
tgccttttang aatcagatca caacactgca aggccaagcc aagaatctga gcaaacccan   180
atcagaattn nagtccaggc aaacctttct ctgttcctag aggcagntag cggcttctat   240

```
actcagnnac atcctggtgn gatctacaaa ttgaatcccg ngntcatgga actttttant    300
agcntgatat cttggnacaa attggctatt tcaggcttgg agagaanggc ttaacnttnn    360
agagcactan aactctatat agcaactctc aaagggccta tanntccccc ttcccagaga    420
atntgatgcn ctngttactg actaacanng gggcttgnca caccacttgg gagttggtgt    480
```

<210> 175
<211> 433
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 175
```
aactgagatt tgagaaaaat gggtagtgat gttggaaaac agagatcaga tccagaagaa    60
accctcgccc tggagattag acatngactt cgcagcagca gaacaaggaa ccgggacaca    120
gagctggttc ccaggttcat cggtcccctg acccggaaca gcagcgggtt tctgcactac    180
gctggcagcc cacgtgctag caacagcggc cacgtggggc cttgaggaaa cnccttcgca    240
aaggtttctg tttggagaca ggcccttttg gtgggtgcat gaatctgggt actccaccca    300
nactccaatc cagattcacc anttcccttc ttcttgagag actggtccag gcagcccctc    360
cggccactgc atgatcacag gcgcagctct ttggcctgna atgacngcca tttcttctca    420
ggtggcttct cgg                                                       433
```

<210> 176
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G

<400> 176
```
gaactgagcg tggacaacaa tagagaacta caactcccaa aaaagactgc gctcgccact    60
ggctcagaaa ccaatggccg nctggcacgn gatcggttgg tctaatcagc gactggttgg    120
gtaggctttg tctaagaccc ggggcgcccg cctatctccc gcccccggcc gcgcgaacgc    180
gagccccgcc ctgcgcgcct tccctcctgc gctcgccggc ctctcctgcc tcttagaacc    240
ttcctgcggt cgtgcttgca tctcgctgct gcagcctccc gggctccggt ccatcctttc    300
agtctgagac cggcccagaa gaaaaaaacc ccaaaaacct taattttntt tnttggtcgg    360
tacctacatt ggaaccatca aaaacaatta tttcagtaaa ccgtagccat ga            412
```

<210> 177
<211> 335
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(335)
<223> n = A,T,C or G

<400> 177
```
agacagacgg ttggaaaaaa actgaagatc acacaaaaag agagcaggaa atccaaatct    60
```

```
cccccccttc ccactgtgat tgncatgttg acaagggctg tcccaagtca atagaaaggg    120
aaagggtggg gactagggga ggattagggg agcctaccaa ggactcanag tagaaggtca    180
gacagtgcca cttggccact tggggtaaag ccagtgccag caataacagn ttatcatgct    240
cattaatttg ggatttcaaa ccacaaatga gaacttcccc acccacccca agtgcatgtc    300
gccatcactt aaaagttcca ttgaaaataa aaaaa                               335


<210> 178
<211> 178
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(178)
<223> n = A,T,C or G


<400> 178
gactgagatg gactgctgaa ttatgaagta tttcagaccc agtcttagat catcactccg     60
ccactctctc ctttattgcc tactagatat ttaaantgga cttttaatat cctaccagct    120
gctnttnnga cacnaanggc gcattgntgc canaccangg caataagcgt ttttgaga     178


<210> 179
<211> 384
<212> DNA
<213> Mus musculus


<400> 179
gactgaggta aaaggatgcc cgaaggaagt aaaaaaatta aagaggcctc tgaaagccag     60
aacttggaga agaaggatct ggaaacaagc agttgtgtca gtataaagaa gaagcgtaga    120
cttgaggact tactcatagt gatatccgat agcgatggag aggaaacaaa agaggagaat    180
ggattgcaga aaacgaagac aaaacagtcg aacagatcaa agtgtttggc taaaagaaaa    240
gttgcacaca tgtcagaaga agaacaattt gctttggctc tcaagatgag tgagcaggaa    300
gctagggagg tgaataacca ggaggagaaa gaagaggagc tcttgcggaa agccattgct    360
gaaagcctga atgtaaatat gctg                                           384


<210> 180
<211> 166
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(166)
<223> n = A,T,C or G


<400> 180
ggaagacatc atgctgtggn cattgacctg nnccactgcc cggactgngc agctctacac     60
ggatcttnct taatgaanaa gagganganc tggcacaggc atgactacac acnaagtgga    120
tgatggctcc aaacctgatc aagctggaac tagggccttt aaaaaa                   166


<210> 181
<211> 244
<212> DNA
<213> Mus musculus

<220>
```

<220>
<221> misc_feature
<222> (1)...(244)
<223> n = A,T,C or G

<400> 181
ttgacaagaa cgtggacaga ncaganaaat actccaatgg cagacatttc acaaggcaat   60
ttgctcgaca gcaggctgat aaaaaagaag agtgcaaaga agacaaagtt attccagtta   120
ttcgctcatt gaggaataga aacattgctc caactgcaga acatttgcac gaacaaagtg   180
gagatgttga agttccgaag aagttgcagg attagaagtc gntacagnac catgaaccag   240
tttg   244

<210> 182
<211> 496
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(496)
<223> n = A,T,C or G

<400> 182
ttttctgaga cctggcanga gctttncttg tagangccgg nntnaanctc ngcacctgta   60
ctccacggcc tncntnnnng gnccnnttgt nncanatatg gataccgatg ccccagaaga   120
ggaggaggac gaagctgaca tggaagttgc caaaatgcag acccgaaggc tgttgttaca   180
gtgggctgga gcagacccca gcatccagtg ttggggacct tgagagctnn ttnactgggt   240
ccatgatcaa tggctggggc tcagcctcgg aagaggacaa catttccagt gggcgctcca   300
gtgtcagttc atccgatggc tcctttttca ctgacgctga ttttgcccag gcagttgctg   360
cagctgcgga gtatgcgggc ctgaaagtgg ctcgccgcca aatgcaagat gctgctggcc   420
gccgccactt ccatgcctct cagtgcccaa ggcccacgag tcctgtgtcc acagacagca   480
acattgagtg ctgttg   496

<210> 183
<211> 330
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 183
gccaatcaac tgaaacatga cacacctgca cagttggaaa atggaggatg aagaaccgat   60
tnggngtgtn ccaccancat gactggaggt gtctactana nagggagcct gctacattta   120
ctccnagaaa tttgttatan accaagaata caattctcaa ttaagaaagc caccaatttg   180
ggtcccncca catcctgact acctacagta taggnnttct ctcttctttc atttcccctg   240
tccccatttt ntttattgna cataaagtan ctgggtgtaa tgngcncact tnntagngct   300
ctcntctttc ttttcctttt ttaaactaaa   330

<210> 184
<211> 489
<212> DNA
<213> Mus musculus

<220>

56

<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

<400> 184
tctccaggac atgctacncc atntggctca gggcgnggta gagaaaaaag aatgncnaat   60
gagttggaaa gntatnttaa gccttnantg ctngnagacc cttgggctgg cctagaacca   120
gngtctgtag tggatataat gccaacagtn cagcaatacc gctaccattc acaggcaaca   180
aaaggaagat actttttctta atatttctga aattcaccng gaagcttcat gtgtcaggaa   240
catcctggac agaactttta cttgnntaaa aaanntgnac ccaaggatga tgactttgaa   300
taatgantag canaccttng gtatatctcc anctttatca agtgtggata acagnggaaa   360
tgataggacn atttacagta tttagctatc tgggagttgt gtatcataga ancncagntg   420
ncatantnga catttccant ataacagaca ttnncttttt tcaatgcttt aaaataaaga   480
cgttttttg   489

<210> 185
<211> 477
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 185
tctgcacatt gccaaggagc atgcaggagn gctttctcct tctatgatgg ggtactccac   60
catgagtant ggccgccctc ctcatacact nacgaagcta tcntacttgc tcntatncna   120
tataacgtac acagnattan ncnacntgct gncgnncagc ccttttcccc aaatcaaaga   180
tatatnaggc attttacctc gagaggtctt ctctccctgg caacagcagg ataactgagg   240
gctttctttta aaagnggatc caggaggatg gattatttgc ggaacaaaag agattgcact   300
ccaatgcaca gaagcttctt nagtgcgctg agccctcctg cccaggactg gagctcccca   360
aaactggtct caggcaaact tcctgagctg gaccggtttc tccagcattt tgccatcggc   420
agcattgntc aggagcctgt gatgcgagcc catcttgggg gcctgctgcc caagcca   477

<210> 186
<211> 355
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(355)
<223> n = A,T,C or G

<400> 186
cagcctgcag tcggtggtcc ggggtgcaga ggaagtcaag caaaagtttc aaagattatn   60
ttnnttatat cngaangctg gaatcctgcc taatccacaa ttcancctca aggcattttt   120
ctgcggcatc ttttcangaa atgtgattca tangnncacc acagcggaag gaattttgac   180
ccagaatgac tcggtcactg ccgacgggtt gcaggaggtg ttngaaacca atctctttgg   240
ccactttatt ctgattcggg aactggaacc acttctctgc catgtggata acccctctca   300
gctcatctgg acttcctctc gcaatgcaaa gaaggctaac ttcagcctgg gggtc   355

<210> 187
<211> 470
<212> DNA

57

<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(470)
<223> n = A,T,C or G

<400> 187
gactgagatc ctggcctgag gttggatgcc tcatcttgct aaaaagacac tggacctaaa   60
tggcgcagca tgactttgtt cctgcttggc taaatttctc aacgccacag tcatctaagt   120
catctacagc cacctttgac aaacacggag agcacctatc ccgtggagaa ggtagatttg   180
gaataagccg tcgtcgacat aattcctctg atggcttttt taacaatgga cctctacgga   240
ctacgggaga ttcttggcac caacccCtncc tattccgcca tgattctgnt gactctggtg   300
nctctaaggg agcatatgct ggaaccacag gttggcatgg ctcttcccga ggtcatgatg   360
gtatgagcca acgtagtgga ggnagtagta caggaaacca ccgacactgg aatggcagct   420
tccattcccg gaaaggctgn gcctttcaag aaaaaacacc aactgagatt   470

<210> 188
<211> 315
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(315)
<223> n = A,T,C or G

<400> 188
tgacccgtat ctggcaccac tcagggtctc ctatgatgcc gcgtcctgca gatacctctg   60
gaacactggc tacttcttcc aggtggagtt tgacgattcc tgtgaggatt caggactcac   120
tgaaaccaac tgggagtcac tatgagactc aaaactcaaa atgtcctntg cctcagnctc   180
ctgagacctg ggatggcagg tgtgtgccac caggcctggc tnttgatgca cgattttctt   240
gaagacgtgt ntgccaatgn ccttacagaa aggtcctgcc ctgggagaag cagtgnctgt   300
ttcaggtgct gtgtc   315

<210> 189
<211> 301
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 189
gggcggacag gaaaacccgg acgccgagga caagangnct ccgccntccc cacgggacgg   60
acggacggac ggactccaca agcgtccacc ggtcactgcc gccgcccaca gagacgtcgc   120
ccacgagagc acacacgtag acgcggacgc cgtgnttttn nagnctnngc catccccacg   180
ggacggangg acggacggan tnnacaaggn gcgcgtgtca ccgaggccgc caggdanggag   240
ccactctcac gattctcaac agggccngac cgngnacaga aatgtccccc tcaataaaac   300
c   301

<210> 190
<211> 302
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(302)
<223> n = A,T,C or G

<400> 190
taaggagcta catggatgga cgggtggaca gaggacagat gtgcgagcca atggtttggt   60
ggagtctcga gcagacacag gaactggtgg ccaacgggga agcgctgttc ctgggccacc   120
tccctcactg agattcttct ctaagtggaa aaagataaga ttctcatctt ttacacagaa   180
gagccacaga gaacaaagca agaaaccagt gtctggagcc gagcaggaac aggccaaggg   240
catggntctc ctcaaacaca cacatttaaa tacattcaat ctgatgggga tgaaaaaaaa   300
aa   302

<210> 191
<211> 179
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(179)
<223> n = A,T,C or G

<400> 191
cttgccatga ggtgttgaag ccttgtttca ctgagttgga gagactggac ctaaatggnn   60
nnnnatgact ttgctccagc ctggcttaat tttcctactc ctccatcatc aacaaagtca   120
tcattgaatt ttgagaanca ctctgaaaat ttttcatgga cagaaaatcg ttgtgaagg   179

<210> 192
<211> 528
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

<400> 192
actgaggctc tgtggctacc cacccttta tgatgaaaat gatgccaaac agctttgaac   60
agattttgaa ggcagagtat gagtttgact ctccttattg ggacgacatc tctgactctg   120
ccaaagattt nnannnnnnn antgnagnnn nnagacccgg agaagaggtt tacctgtgag   180
caggccttgc agcacccatg gattgcagga gatacagctc tggataagaa tatccaccag   240
tcagtgagcg agcagatcaa gaagaacttt gccaagagca agtggaagca agctttcaat   300
gccactgctg tggttcggca catgaggaag cttgcagctg gaaccagtc aggagggggca   360
ggggcagact ggcagccacg gggagctgct gacaccaaca gctggtgggc cagcagctgg   420
ctgctgctgc cgagaactgc tgngnggaac caggctcnga ctgnccctg caccacccc   480
aagcctctag ggcccatagg aatttgaaca tcaaaggaag gtccaggt   528

<210> 193
<211> 331
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(331)
<223> n = A,T,C or G

<400> 193
actgagaagc gggccctgga tgcagccatc atccttgggg gtggaggact tctcttcacc   60
tcttacctga cagccacggg ggacgaccat ttctacgccg agnacctgat gccgnntctg   120
nagagactgn ttgatccnga gtcggcgcac cggntagctg ttcgagncat ttncctgggg   180
ctccttcctc aagctacgtt acaggactcc aacatgctgg aagtganaga tcnggcncgn   240
agntncagnn gtccanacag ggantgctgn acganaannc aaggancgan caagctganc   300
aacaggtctc tgtaggggag ggctctgcgc t   331

<210> 194
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

<400> 194
tccagcgttc ctgttgnagt atcttgttct tcagccatcg acaggacagt aacatcttta   60
ggtccactgt ggggaatgca atcatcttgg tcaattagtt catctaagtn aagccatcct   120
ctggaagttc agatacaaga agaattgagt tggaactcaa agactgatcc ttctgtggct   180
tgattttgga atgaaagaaa attaaaaaga aagaacataa gccataagct gaccgatagg   240
acttcggact tcttctaagg agattccgac tacnatatgg agaacgggac ctggatctgg   300
acctggatct ggatctatat ttagaaatga aacggtggca aattcttgga cttcgactcc   360
ttggtctata gatataacgg actggacttc gagagcgacg gattctgtga cctgagcttg   420
atctcctaga atgtctgggg ctgggggaat gagaacgtct tcttggagtt tcattttctt   480
tcctattgct ctcatttcg   499

<210> 195
<211> 469
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 195
tgaggtcccg gatgccaggc cctgcgggta gagggggtcc accatccctg acggtgaact   60
tgggcgagga ggcccgcctc acctgtgaaa acaatggcag gaaccctaat atcacatggt   120
ggttcagcct tcagtctaac atcacatggc ccccagtgcc actgggtcct ggccagggta   180
ccacaggcca gctgttcttc cccgaagtaa acaagaacca caggggcttg tactggtgcc   240
aagtgataga aaacaacata ttaaaacgct cctgtggtac ttacctccgc gtgcgcaatc   300
cagtccctag gcccttcctg gacatgnggg aaggtaccaa ganccgcatc atcacangag   360
aagggatcat tttgcttgtt nttgtgcaat tggtgccagg gacgctgctg ctattnagga   420
aacggngnca aaatgagaag tttggggtgn acatgccaaa tgactatga   469

<210> 196
<211> 524

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(524)
<223> n = A,T,C or G

<400> 196
gactgagaca tctggtgaca aaggaatctc cgccttccct gagtcagaca acctgttcaa   60
gtgggtgggg accatccacg gagcagccgg caccgtatat gaagacctga ggtacaaact   120
ctccctagag ttccccagcg gctacccttа caacgcaccc acagtgaagt tcctcacacc   180
ctgctaccac cccaacgtgg acacccaggg caacatctgc ctggacatcc tcaaggataa   240
gtggtctgca ctatatgatg tcaggactat cttgctctct atccagagcc tgctaggaga   300
acccaacatc gatagccctt tgaacacaca cgctgcggaa ctctggaaaa accccacagc   360
atttaagaaa tacctgcaag aaacctattc aaagcaggtc tccagccaag atccctgatg   420
caagctggcc gccctgcccc tctttтgtgt tgnctttttt cttagactat ctgtcctttc   480
tccttgattt ctaaactatg ttatтttttg gtttggttcg gttt   524

<210> 197
<211> 218
<212> DNA
<213> Mus musculus

<400> 197
gactgaggtg agaagtctgg gaaggagcta gaggaggtga agctgcagaa caccagcaag   60
cagattgtcc agaatgccat cctgcaagcc atgcggcaag tctcccagga gagcctgcgg   120
agggaaggca gacccggtga cagcagggcc tggggccagc tgggagggcg cgagctgacc   180
aagaaacatg aaaagaagta accgggtaaa aaaaaaaa   218

<210> 198
<211> 381
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 198
tgagctttct acactgccaa gtatggttac aagttgtgcc tgcgcttgta cctgaacggg   60
gatggctcag gcaagaagac ccacctgtcc ctcttcatcg tgatcatgag aggagaatac   120
gatgctctcc tgccctggcc tttcaggaac aaggtcacct ttatgctact tgaccagaac   180
aaccgagagc atgctattga tgccttccgg cctgacctga gctcagcctc cttccagcgg   240
ccacagagtg agaccaacgt ggccagcggc tgcccgctct tcttccccct cagcaagctg   300
cagtcaccca agcacgccta cgtcaaagat gacacaatgt tcctcaaatg cantgtggac   360
actagtgcta gggatggggg a   381

<210> 199
<211> 451
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

61

<210> (1)...(451)
<223> n = A,T,C or G

<400> 199
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tgtggagaag gactgctcca tnaccaagnt cntgaaccgn atccttggnc tggnggtgca    60
cangcagaac gccctgttcc aatacttctc cgacaccttc gaccacctca tcgagatccg   120
acaagaagga ggncngatnc gacatggcca tcctagacct ggcccctggc ntcaacatan   180
atacatgacn aaagccagna ggggtnncng gcacctggnc acccacagga tgggcaagtg   240
gtcttctaca agattagcgt ggaccgcggt atgaagtggg aagaggcatt aactaggtcg   300
ctggagctca aaggtcccta tgatggcttc tacctctcct acaaggtacg aggcagcaaa   360
atgagctgcc tcctggcaga acagaatcgc ggcgagtatt tcaccgtgta caagccaaac   420
atcggcagac agagccagct tggagaccct g                                   451
```

<210> 200
<211> 470
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(470)
<223> n = A,T,C or G

<400> 200
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gaggtgtgag caggcattac tgagctggct gatccatcat ggcggagaaa gtgaacaact    60
tcccaccata tgcccaaatn catcccactg atagccatgt ttctaccaag acttcgaggc   120
agacatccct cctcagcatc tcagcttgac caagcngcct ctactacctc tggatgtgac   180
aganagttcc ttnagcttca tggcattctt cttcaccttc atggctnagc tggtcatcag   240
catcatccag ctgtgtggaaa ttccaggctg gggagtctgn ggctggattg ccaccatttc   300
cttnttcagg acaaacatcg gctcagcagt ggagatgctc attcccacgg tcatgtacac   360
agttgnggcc gtcttttcct tcaatgctct aagcatgggt tcataagatt ctaccggagt   420
agccggaggc agtttaacaa ggnntcagga ggaatgagac cactggagca               470
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<210> 201
<211> 477
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 201
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tctgaggctg accctgcacc tggctcctac cccacacaga gttgccaccc tcatctgact    60
ccaagttatc ctgtcaccca gatgcagcat gccagtggcc agaaactggc ctcctggcct   120
cctggccaca tgcccagcct acctccatac cagcctgcgt ncggcctgtg ctatgtgcan   180
aaccactttg gtcctaaccc caangcctcc agtgtgtacc nagnttntgn agggacctcc   240
naggggagtac agactccctc ccctatcaan ngtnctgnca ctggagtatt caggggccct   300
ggaaccccaa gggctacagg ntccaaggag tcttccaagg tagccatgcc ctaaccagnc   360
tgcaaaggcg gnttccacct tgttggacag aggaaggttc tgagaatgta ngaattattt   420
attgaagcca aggcatgccg gcctgncatt ccagctgctt gggggtaag gccaaaa        477
```

<210> 202
<211> 138
<212> DNA

62

<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(138)
<223> n = A,T,C or G

<400> 202
atacttgaat ggacatatta agcaggtgca cacttctgag ctgaccttac aagtgtcagg   60
cgtggtcttg ggagcagnag cgggctgncn cccgtggaac ctcttcctag cgacctgcca   120
tcatgggatt ttgcccag   138

<210> 203
<211> 469
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 203
tctgaggcag aagactttaa ccaagggcgg tgagcagatg tgtgagatct tctattctag   60
aagtggacgt atatcccagt tctcagagcc ccgtattcga gccccgtggg atccggaggc   120
tgccaaccag ctccagcatg cagaacagtc acagcggagt gaatcagctt ggtggtgtct   180
ttgtcaacgg gcggccactg ccggactcca cccggcagaa gatcgtanag ctagctcaca   240
gcggggcccg gccgtgcgac atttcccgaa ttctgcaggt gnnctnanta tgcatagntt   300
nttggntgct ggctagcgan aagcaacaga tgggctcaga ctgcntgtat gatanantaa   360
ggatgttgat cgngcatacc ggaagctggn tgcacacgcc ctggttgana tcccnggact   420
tcngnatcag ggcaacnnac gnnaggttaa agtttatgca gcccacctt   469

<210> 204
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(538)
<223> n = A,T,C or G

<400> 204
ctcagtagta tctcatgaca gtaagctgtg accttcttgn ctaaccatga tgacagccgg   60
ncgctctatg ctatcccagg gttggactat gtcagncatg aagacntcct cccctacacc   120
tccacggatc aggttcccat tcaacacgag ctctttgaaa gatttcttct gtatgaccag   180
acaaaagcac ctcctttgt ggctcgagaa acgctgcggg cctggcaaga gaagaatcac   240
ccgtggctag agctctctga cgtgcacagg gagaccaccg agaacatccg cgtcacagtc   300
atccctttct acatgggcat gagggaagcc cagaattccc acgtctactg gtggcgctat   360
tgtatacgct tggaaaactt ggacagtgat gtggtacagc tccgggagcg gcactggcgg   420
atattcagtc tctcagggac cctggaaaca gttcgaggac naggggtggt gggcagggaa   480
ccagtgntat ccaaggagca gcctgcattc cagnatagca gccatgtctc tctgaaat   538

<210> 205
<211> 384
<212> DNA

63

<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

<400> 205
cccgggaggc cgccttgnnt ttatacactg ntntcaccan acnncnnaaa cnggctggng   60
tnactgnnct cantagctgg cttacantna anggcttnag ttttcacagg ggccgatcaa   120
nagtgctant cgagatattt ccggtctcca aatgccatgg agattgngac cctttagttc   180
cccnanngtt tnggnnctct tactgttgaa agactaanag cnttgataaa tccanccaat   240
gtaaccttcn aaatctatga aggcatgagg cacagctcat gtcagcagga aatgatggnt   300
gtcaagcact naattgataa gctcntacct ccaattgatt gacatcacta agaggccttg   360
agtngaagtt caccagcatc acag   384

<210> 206
<211> 140
<212> DNA
<213> Mus musculus

<400> 206
tgagccaaac acgtttattt actaaccaaa gggatgatcc tgggtaaacc aagtttgaca   60
tgaagttcca tgtaaagtgt ttgtgataaa gagaactcaa cagtcatgaa aaataaaacc   120
aaagaagtga aaaaaaaaaa   140

<210> 207
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G

<400> 207
tgagaacatt tgcaccaatg tgggatgtat tcaaaacatc tacagagaaa ttagcaaatt   60
gtcatttgga tcttgttaga aaattacagg aattaataaa ggaagttcag aagtatggag   120
aggagcaagt caagtctcat aagaagacta aagaagaagt cgcagggact ctggaagcag   180
tccaagccat tcagaatata actcaggcac tccagaagtc gaaggaaaat tacactgcca   240
aatgtgtaga acaggaacgt ctgaaaaagg aaggagctac acaaagagaa atagaaaagg   300
cagcttgtta agtctaagaa agctacagat acttataaac tttatgtgga aaagtatgca   360
ttaacaaaag cagattttga gcagaagatg acagaaacag cccagaaatt tcaagatatt   420
gaagaaactc acctcattca cataaaggaa attatcggat ccttgtcaat gctggcaagg   480
agatccactt acagatcngg ccaggttcat gaagagttat aattaccatg gctaata   537

<210> 208
<211> 160
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(160)
<223> n = A,T,C or G

<400> 208
agttctgtgc tcaatcgcac agccggcaat ttggaaagaa acatcttttt gaccaggatg   60
aagagacgtg ctggaactct gaccaggtgn ggtgcttcta tacccctta ttccaagngt   120
aggggtgtan aanatgcaag gttacaggt gccttgagat   160

<210> 209
<211> 540
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(540)
<223> n = A,T,C or G

<400> 209
gaactgaggt attttcaagg agaaataatt ccagnttgat ggatgaaatt ttaaaacagc   60
aacaggaact tttgggccaa gattgttcca aatactcagc agagtttgca aatagtaatg   120
acaaagacga tcaagattta aattgccctt cggcagtgaa ggtgctgtcc ccagaagatg   180
gaaaagcgga tattgtgaga gctgcccagg attttgcca gttagtagcc cagcagcaga   240
ggaagcccac agatctggat gtagatctgc taggcagctt acttagttca catgggttcc   300
ctgatcctga cttagtgttg aagtttggtc ctgtggacag cacattaggc tttcttccct   360
ggcaaatcag attgactgag atcgtctctc tgccttctca cctaaacatc agctatgagg   420
acttcttctc cgcccttcgg cagtatgcag cttgcgaaca gcgactggga aagtaatggt   480
ccctacttgc ataatttgac ttcaggcttt tggagaaaaa ggacccaagt gacactgaaa   540

<210> 210
<211> 166
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(166)
<223> n = A,T,C or G

<400> 210
tatagccaga cagaatggac tgggctctca cctcagtgcc agtggcactg agtgttacat   60
cacgtcagat atgntctatg tggaagtgca gttagatcct gcaggacagc tttgtgatgt   120
caaagtggct caccatgggg agaatccngn gagctgccag agcttg   166

<210> 211
<211> 123
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(123)
<223> n = A,T,C or G

<400> 211
ttacacccag tgcatttggc tttcctntgc ggntccatca nngggacctg ttccacgctc   60
ctcttccagc ctttggatct cctcaaaacc cgtctgcagg ccctgcagcc ctcagaccta   120
ggg   123

65

<210> 212
<211> 232
<212> DNA
<213> Mus musculus

<400> 212
aaagatcgag aacaccggca taaggagcac aagaaggata aggataagga ccgggaaaag   60
tctaagcata gcaacagtga acataaagat tctgaaaaga aacacaaaga gaaagagaaa   120
accaaacaca aagatggcag ctcagaaaaa cataaagaca aacataaaga cagagacaag   180
gaaagacgaa aggaggaaaa gattagagct gctggggatg caaaaaaaaa aa   232

<210> 213
<211> 368
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G

<400> 213
ttccaggaac cagcgcggga cattggcttc aacgtggcgg tactgcttac caacctgtca   60
gagcatgtgc cccacgaccc gcgcctgcgc aacttcctgg agctggctga gagcatcctg   120
gagtacttcc ggccttacct gggccgcatc gaaatcatgg gcgcatcgcg tcgcatagaa   180
cggatctatt ttgagatctc agagaccaac cgtgcccagt gggagatgcc ccaggtcagt   240
aggccttgcg tgtttatgaa gccttggtac ccttgaaaat cctntatggg ggctgtatac   300
nccttcagtg tntgcaccta accctactng gnctctgaca aagcccaggc ccctccccca   360
atgtattg   368

<210> 214
<211> 423
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 214
tcattctaag atccctgctc ccaaagacat nctcgcacat caggtcccta atgccaagaa   60
gctcaggctg aaaggaggag ttatgggaga aactggcaaa gcagggcgaa ctgcccaggg   120
atgtgcgcaa ggcacaggcn cnactcctta gccctcccac accaaaggcc aaacctgggc   180
cccaggacat cattgagcna cccttctatg acctctgaaa cccanacaac cctctggaca   240
cgccttttga ttggtcagga tgcattttt ttggaacaga ncaagaagaa aggcgtgang   300
cggccacaac gcctccacat naagccntcc caggagcctg nagtggaggt atntcctgca   360
ggagcctcct acaacccaac ctttggagat naccaggccn tgctttnaga ggccccatgg   420
aag   423

<210> 215
<211> 452
<212> DNA
<213> Mus musculus

<220>

66

<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

<400> 215
gactgaggta tgtgagaaga ctgctgagct agatgcngtt gcctggtncc tgggnatnng   60
acgcgccctg ctttgccatt ncgcacccac atgtgtgggc tntagtgtnc cacgganaca   120
ccagttnngc tgttgtcagt tttttttctc tgagntggac tataagccac atttcctntt   180
nctctangaa gtaggttagg accgtgggct ttggnaanga gaccnnggtg gccgtgacca   240
taaagagnact tangnaaaaa agctcaggca ccctggacat gtccgtgtct tacaaggagg   300
nggatcgcta cgacgctcca gggattgcct tttaccctgg tcaggctcag cttgctcanc   360
tgtaagcacc actatgaggt tattccacct ctttgncagc cctggncanc cggganacag   420
gaactgcacc actcaaagga tcaattacac cc   452

<210> 216
<211> 428
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 216
gactgaggac agaaaatant atccaangna atttttgcac tagcagtatc aatctgtagc   60
aagaaagttg accagtctgt tccagccaat gaaatttccc agaaggcagc agagagccaa   120
ggcaggggaa aggagacttt gaaaaaagac ctgctggaca ttattaagga catgaaagtt   180
gacctgagca cagcaaatgt gaaaacacca aagccacgtg gcagaaaacc ttctgccagt   240
ctggaggcta ccgttgacag gcttcagaaa gctccggaag accctccaaa gaagaggaat   300
gagttcctga gtcctgagtt ggtggctgca gcgtcggctg ttgcagattc cctacctttt   360
gacaagcaga caaccaagtc agagctgctc aggcagctgc agcaacacga ggaggagttg   420
agggctca   428

<210> 217
<211> 421
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

<400> 217
gactgaggct gtggagctgc ggacctatgg caggagaaag cttgtgtggt ggccggtctg   60
cgacgcttcg gctgcatggt gtgccgctgg atcgcccagg acctcagcaa cctccggagc   120
atcctggacc aacacgatgt gcgcctggtg ggcagtgggg cctgaggccc tgggcctgca   180
ggagtttctg gatggtggtt acttctcagg agaactctac cttgatgaga gcaagcaaat   240
ctataaggag ctgggcttca gcggtacaa cagcttaagc atcctaccag ctgccctggg   300
aaaacctgtt cgtgatgtag cctccaaggc taaagctgtt ggtatccagg gaacctgtc   360
tggtgacctg ctgcaaagtg gagggctgct ggtggtcanc aagggtggcg acaaggtact   420
g   421

<210> 218
<211> 159

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(159)
<223> n = A,T,C or G

<400> 218
gactgagctt gctgaantaa agcaagaaag tcttgctcgt ggttnagaga ccaagggaat   60
aaaacaagat cttataaata ggctgcaggc ctatcttgaa gaccatgcag aagaagaagc   120
agatgaagaa gatgtactgg gagatgaaac tgaggaaga   159

<210> 219
<211> 273
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(273)
<223> n = A,T,C or G

<400> 219
atctctgtga gggatcaagg gacngctgan cagacttcct gctgctggtg ttgnggacan   60
ggtgatggcc acagctctaa gaanggcaca ccaccaacta aggaaagaag gtacatccag   120
cagnggtaat tccgacaacg tatagtcata tcnaagagaa gatggggggtg nttntttact   180
ntgnagataa cgcagggggtc atagttntca ntatangann agatgaaggc ttctgctatc   240
acanntcnag tgacaaagtg agtgtgcaga ctt   273

<210> 220
<211> 153
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(153)
<223> n = A,T,C or G

<400> 220
gacccctcct tactcactgg cncntcagct ttgattttta acttcccttc cncacctttc   60
ccgaacacac acattcccat ttcaaaattg attttataaa gacattttaa atatactgat   120
gcaacttggt gtgcactacg gcaaaaaaaa aaa   153

<210> 221
<211> 252
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(252)
<223> n = A,T,C or G

<400> 221

68

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caccactaga ggacatggga cagcctacag tggaggaggc tgagcagcct ggagccctgg        60
ctcgggagtt cctggcagcc acagagcctg agccagcccc agccccagcc ccggaagagt       120
ggctggacat tctggggaac ggattgctgc ggatgaagac actggtccca ggcccgaaaa       180
ggctctagcc gcccactcaa gggccaggtg gngaccgttn acctgcnaat gnncctggag       240
aatggcaccc gc                                                          252


<210> 222
<211> 235
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 222
gactgagctt gctgagttgt gggaggagtg cttccctgan nccggcggtg ttccagactc        60
ctccgtcatc ctcctcttcc cagctaggat ggcgagctcc tgtgactggt ccgtcactct       120
cccccccagcc gtcttgcata gatttggaat ctttaaggaa agagtgaatc gattctttgc       180
agtaaataca tgtaacaaac agagagattt cttgcaaatg cagcatttga atatc           235


<210> 223
<211> 310
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(310)
<223> n = A,T,C or G

<400> 223
ttgatcactt cttccttctg aagtcccgcc ctttcggcta cccccaatgg agactaagct        60
gttactgaaa agganccgac aaaagcgtca acngnggagt cgagaggagc tggaagnagt       120
cagattncgc taagggccgt aaagcggana gtgatttcgc cttccggatt aacgacagca       180
actccgactt gtcagagcag gccatnctcg tgctggacnc ttcctaattc aatttccttc       240
ccattccggn cccttcccta tcgtcgcccc tttcaccttg gatcatgntc gaaaaaattt       300
gatgaaaaag                                                             310


<210> 224
<211> 294
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 224
ctgagatcca ggatgagaag gatgttacaa gcagcancta gctgaacagc tataaantgc        60
ccaantctgg gttcacaaaa ccagntnana gngaaaattc tgacagtgac agcagtatgg       120
naggagaggc catatggaag anagagtaac anacaagatt gnatcttaca gcaaaacttc       180
aaaaattgac cgaggtgata tgggcaagga aatgagagag aaaccatcca tgaaacgaaa       240
gctgcctttt acagtcagcc catcgagaaa tgaggagcgc gactcagaca caga           294
```

69

```
<210> 225
<211> 529
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(529)
<223> n = A,T,C or G

<400> 225
actgagggat tttttatgga gtattgtgag gagcggtgtg gnagcagtcc caagatggca      60
accgggactg cagctaagtc ttatgacttg cacctgactt cttcatacac ctgaaaataa     120
gccatgaccg tcatgagagc tgcgcaggtg caccatgatg ctggtggtgt aaacaagtcc     180
atatttggtg gagatgtgcc cctgccgccc tgattggcta aagctgtgtg cctggtgaga     240
tggcagtggc ctgccgtgag tgcatgggga ttgagagtat ataagagtga gaagcccgag     300
tggtttncgg tgtgcccttg tcatanacaa cgtcagtgca ggcttaagcc tgagtctggn     360
gccaacccct ccccagtggg tgcatgcaaa ttaggtgctg gcagactgac caatctcagg     420
aggacacaaa gcctttccct gtgctcaggt gcatataagc agacctccct gggtgcccag     480
agtcccagta gcagcatcaa ggcattnctg caataaaggc tgttaaagt                 529


<210> 226
<211> 494
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(494)
<223> n = A,T,C or G

<400> 226
tgaggtccga tctagatccc ttcccgatcc aggggaaggc gatactctcg ctcccgcagc      60
aggagccgag gacggaggtc aagatcagca tctcctcgcc gatcaaggtc tgtgtctctt     120
cgtagatcaa gatcagcttc actcagaaga tctaggtctg gttctataat aggatcgaga     180
tcccgctcaa ggtcgagatc aagatccagg tctatttcac gancatgaag cagccgatca     240
aaatccagat ctncatctcc taaaagaagt cgttcncgca tcaggaagtc cacacagaag     300
tgcaagtcca gaaaagaatg gactgaagtt tctcaagttc accccntagg ggaaaagtta     360
tttttagttt acattattat aangggattt gttatgnctn gaaaggcgta cgcnaggaag     420
ggatcatcaa ccatttaatc aaaatggatc tgggattatt actctgtaaa attcacagca     480
gtaaatattg tttt                                                        494


<210> 227
<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 227
gactgaggcc ttgaagacga aggtgggaat cctgatgaaa ttgaagtcac ctcagaatgc      60
aacaagaaga tgcctaagag gcccagcaaa gggaggaaac cntnngncga gggtgtggag     120
gacaacgggc tcgaggagaa ttctggggat gggcaggagg atgtggagac cagcctggag     180
```

```
aacctgcaag acatggatat gatggacatc agtgtgctgg atgaggntga cattgacaat    240
ggcagcgtgg cagactgtgt ggaggaagag gaggaggcca cactccctga gggcctagca    300
gacagcactg aactggtaga aggagatttg aaagggctcc cagaacagct gcaggagcat    360
gctatagatg acaaggacac cgttaacaat gtagatacgt catcatctga cttcaccatg    420
ctgcaggaga tggaagaggc atctttggag cccgaa                              456


<210> 228
<211> 219
<212> DNA
<213> Mus musculus


<400> 228
gactgaggga ctggggagat ggctcccggt taaaggtgct cgctgctctt ccagaaggaa     60
caagttcagt tctcagcacc caagggaggc tcacaacccc ctgtagttcc agcatcagag    120
ggtctcaaac cctcttcctg cctcaccgga catcctctca tgtgttgcgt acatatacac    180
gaacgttaca tataaataaa aagccttaaa gaaaaaaaa                           219


<210> 229
<211> 220
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(220)
<223> n = A,T,C or G


<400> 229
actgaggtat gtaaaagaag gagatacggt gtctcagttt gacagcacct gtgaagttca     60
aagtgacaag gcctctgtca ccatcaccag ccgttacgat ggcgtcatta agaggctcta    120
ttacaatcta gatgatatcg cttatgtggg gaaaccactg ancgacattg agacagaagc    180
tgtaaaggaa ggaaggaaga aagaaagaaa gaaagaaaaa                          220


<210> 230
<211> 326
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(326)
<223> n = A,T,C or G


<400> 230
ttactgagtt cttgccatga caggttngca gccccgtgtt cgcaatgcag cacgtggtgg     60
gtgtaccccg tttactggta cggagaacct tccttgggac ggacgtcacc atgacaagga    120
ctctgtgcag tccaggtccc agagagaagc gaccggaagc cgcagcctta gggctctttc    180
accgcctccc ggaattggga agaacacttg agccacaccg ttngccatca agnagcctct    240
actgccaagg cttggtggga cagatatgaa gagtttgtgg gactnaatga gagttcgggn    300
ggcccaggga aacgtgacag aggcgg                                         326


<210> 231
<211> 190
<212> DNA
<213> Mus musculus
```

<220>
<221> misc_feature
<222> (1)...(190)
<223> n = A,T,C or G

<400> 231
cattgtttag atctcactnc gnataaaggt gacttacacc ttgacgatgg cagacatagg   60
catttggttc tacagatggc cttgaaatgt gctgatattt gtaacccatg tcggaactgg   120
gaattaagca agcagtggag tgaaaaagta acggaggaat tcttccacca aggagatata   180
gaaaaaaaaa   190

<210> 232
<211> 523
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

<400> 232
actgaggtcc ctatactccc tgggcaggct tgcctganat tgcagctttt cctgtgcgcc   60
ctgcctctcc ttgccgcctc cggtccttcc aatactctcc agctggataa gctcatacct   120
cagactcttc taaactagct gcttggcttg ctgaattacc aaggggaaat gtggttccag   180
agacaaattg ttgggttcgg ccccgncta ctctggggtg gtgcttagcc ggcgccagac   240
cgaccctcgg ctccggagcg gcagtgccgt ccctctcggc gcctcctcgg cttctccggc   300
ttcctcggct tcctcgggga ccgcggaccc tggtatatgc ccgactgctg agcccgctaa   360
agccatgtcg accccggccc ggcgccgcct catgagggac ttcaagaggt tacaggaaga   420
tcctccggcc ggagtgagcg gggctccgtc ggagaacaac ataatgggtt tggaatgcgg   480
tcattttggg gcccgaaggg accccgtttg gaggatggaa cat   523

<210> 233
<211> 538
<212> DNA
<213> Mus musculus

<400> 233
gactgagtat ttctcagaga ttgatggaaa cagaaaccaa aactcttccc ctggagaatg   60
catccatcct ttcagagggc tctctacaag aaggacaccg attatggatt ggcaacctgg   120
atcccaaaat cacagaatac cacctcctca agctcctcca gaagtttggc aaggtgaagc   180
agtttgactt cctcttccat aagtcgggtg ctttggaggg ccagccccga gggtactgtt   240
ttgttaactt tgaaactaag caggaagcag aacaagccat ccagtgtctc aatggcaagc   300
tggcgctgtc taagaagctg gttgtacgat gggcccacgc tcaagtcaag agatatgatc   360
ataacaagaa tgataagatc cttcccatca gccttgagcc atcctcaagc actgagcctg   420
ctcagtctaa cctcagtgtc actgcaaaga taaaagccat tgaagcaaag ctgaaaatga   480
tggcagaaaa tcctgatgca gagtacccag cagcgcctgt ttattcctac tttaaacc   538

<210> 234
<211> 358
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(358)

72

<223> n = A,T,C or G

<400> 234
tggcttccca agccgctctg gtttctcctc gccaccaccc tggagtccaa gctggggaag   60
acgattgtta tcaccaagac gaccccacag tctgaaatgg gaggctacta ctgcaatgtc   120
tgtgactgtg tggtgaaaga ctccattaag ttcctggacc acattaatgt tttagaaaca   180
tcagngaaac ctgggtatgt ccatgcgagt ggaacgctcc actctggatc aggtaaagna   240
gcgtttntga ggtgaacaag aagaagatgg aagagaagca gaaagattat gattttgagg   300
aaaggatgaa ggagctcana gaagaggagg aaaaggctaa agcataccaa aaaaaaaa   358

<210> 235
<211> 348
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G

<400> 235
gactgaggat ttgcagttcc tgactaccgc tcttctcata ttgaagttag ccaggcatca   60
cagcttttac agcagcagca gcagcagcag cagcttcgaa gacgaccttc cttgctttca   120
gaatttcacc cgngattctg acaggccntc aagagaggag aactggatta tngaacagtt   180
tcacttcagg accctcaccg anggatcatg attccttgga gtccaaacgn ccacnccagg   240
aaccagttac tanntgccca tttncaagcg ngttaagtna ctannggatt tacnntttag   300
ttcacntccc tgccagaagg ctngagntcg tntgctgatg caaagaga   348

<210> 236
<211> 519
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(519)
<223> n = A,T,C or G

<400> 236
tcgagctggg agatgtgacg cccacaatat taaacagttg aagagactga accaggtcat   60
ctttccagtc agctataatg ataaattcta caaggatgng ctagaggtng gcgagcntan   120
caataccttn catatttcac atgatatagc tgtaggngca gtgtgcntgc aagggnngga   180
tncattcaca gaatgaaaag agactttnca tcatgacact aggatgcctt gcaccttacc   240
gaaaactagg aataggaact anaatgttan atcatcgtcc taaacatctg tgagaaggat   300
ggcacttttg acgatatcta tctgcatgtc cagatcanca atgagtcagc gattgncttt   360
tacccggaag tttggctttg agattatcga gacaaagaag aactactata agaggataga   420
gcctgcagac gcgcatgtgc ttcanaaaaa cctcnaaggt cccatctggt cagaatgcng   480
agacacagaa gacagacaac tgacaaatca caaatgaac   519

<210> 237
<211> 235
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

73

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<222> (1)...(235)
<223> n = A,T,C or G


<400> 237
gactgagctt tctcgggctc tacttggttg atcgcggacc cagaagagaa ctagtcaact      60
caagttttaa gccatggccc aaagactgat gacattcaga gacgtggccg tagacttctc     120
tccagaggag tgggagtgtc tgagcctgga ccagaggagt ttatacagag atgtgatgct     180
ggagagctac agccacctcg tctcagtggg actttttgnt tatcggtcac atctg          235


<210> 238
<211> 249
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(249)
<223> n = A,T,C or G


<400> 238
taaataaaga gtattgagcg aannacctac aacggaccag nggctgcacc actgaggaaa      60
ctgnnnnttc tctanccacc attaaccncc tatagcttct nacgaggaag cangggcttt     120
gtgagtnaac aaccacntna ccaaccagan gntgnaggat ncanaagcga ctcattgatt     180
tacatantcc ttctgagatt gntaggcgga ttncttccat cagtattgag ccgggagttg     240
aggttgaag                                                            249


<210> 239
<211> 535
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(535)
<223> n = A,T,C or G


<400> 239
tctgagaggc tccggttctg tggcgatctg gactgtcccg actgggtcct ggcagagatc      60
agcacactgg ccaaaatttc ctctgtgaag ctgcgactgc tgtgtagcca ggtgctaaag     120
gagcttctgg gtcaggggat tgattatgag aagatcttga agcttactgc tgatgccaag     180
tttgagtctg gagacgtgaa ggccacggtc gcggtgctga gtttcatcct gtccagtgca     240
gccaagcata gtgtcgacag tgattccttg tccagtgagc tgcagcagct ggggctgccc     300
aaagagcatg ccaccagcct gtgccgctgt tacgaagaga agcagagccc cctgcaggag     360
caccttcggg cctgnanccc tacgtgtgaa caggctggcc agcgtgggct ggcggggtaa     420
actacaccct gagctccagc ctgcttnatt ctgtggagga gcccatggta catctgcagc     480
tacaggtttg tgcctgntcc aggtacccan gcccaaccct gtttccatgt cccaa          535


<210> 240
<211> 325
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(325)
<223> n = A,T,C or G
```

<400> 240
ctaatccgaa agagaatcca tnngcagata ancntggact gttcctctac agaaggaaac   60
acacgaaagg gccagtcgga agaaattcaa atgaaaagaa cccgccgtgc nntcataatn   120
ccaacgagcc atcactggtg catctcttgc tgatataatg gctaagagga atcgnaaanc   180
ctagaggttt ggaaagcccc agctgagagc aggcctatca gggctngcca aggnagcana   240
aaaggctann gcnggcttna aannatgaca gcaatnggct gctgccnagg ccccanaaa   300
nggcagcacc taaacaaaag attcg   325

<210> 241
<211> 345
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G

<400> 241
acttgaagac gcagctgcac gccataacta nggcattcct cntnnaccnt tatantgacn   60
ngatnnccgg angtagccag ngcacttggn cgctgactat ngaggcatca natcttgcct   120
aggntcactg gacaaantat gaggaggaca aattctacct tgaccctatn taaaagaggt   180
tattcgggaa aagaaaggag agagaanagt ggnctaagga agtgatcttt ttanttaaga   240
tctgngtgtg tgcctggtct caccatactt ttacanagnt atttaaaccc aaatcacaat   300
ttaangatta ttngnttcta cctatnncna cactttaaat aaaca   345

<210> 242
<211> 208
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(208)
<223> n = A,T,C or G

<400> 242
gactgagccc tcccaggcac caatacttca aagcatctta cctctgctca atatatatta   60
cttggagagg attgaggaaa ctgctctcaa aaaaggtctc tctactcaag ccatctggcg   120
ccgactctgg gatgaactga tgaagacaag gccttccagt ttggagagag gnacnntctg   180
ncnanccctg actatgctgg cacccact   208

<210> 243
<211> 249
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(249)
<223> n = A,T,C or G

<400> 243
ctatgatcca gccagacaca agcactctaa gtgtgcttca gncagtggct gtgccgcctg   60
cacaatgagg tgaatcggaa gctgggcaag cctgattttg actgctcgag agtagatgag   120
cgttggcgtg acggctggaa ggacggctcc tgtgactaga agattaccag cagttcgtga   180

```
ggggcatcta gcctnggttc tatggncaac agcctgattg acgattaaag tgcatctgag      240
ccaaaaaaa                                                              249


<210> 244
<211> 187
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(187)
<223> n = A,T,C or G

<400> 244
tgcgcgctgt gcatcangtg agacctgcag ctcanaactg gggttcagca agaactggtc       60
ccggaggaac gnagnaggag atgcctnntg gcnctantna ccctgtctac tnngaactga      120
ctttntttgt cnctccaana cnaccttctn cacaactnca gtgacgcttt ncactcctga      180
ggatgct                                                                187


<210> 245
<211> 274
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(274)
<223> n = A,T,C or G

<400> 245
gactcagacc acacagccgt ctagaanaag cagaaaccag ctgagctatc tggaagagct       60
ttagaccaac tgagacactg aggaggacac tctccagcct gttgagctgc ctgcaggctg      120
tgcagtgtgc tacaagttcc cagcgttgtg agctgtcacc catgctgggg tgggcctccg      180
ggatgcagct gtctttgagt catttctgct ccgataagta acccctcacc catattcttc      240
caaggaaccc caataaaact catggcttac caag                                   274


<210> 246
<211> 274
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(274)
<223> n = A,T,C or G

<400> 246
gaactgagaa tggaatgacc tatgtangca tgtgcatgta aacttcactg gcgaagagtg       60
ggctttgctc agtccttccc agaagaggct ctacaaggat gtaatgctgg aaacctacag      120
aaacctcact gctataggtc tgcagntggg aaaaccgtaa tatngaagaa tattttcaac      180
cgttctagaa gatntggaag gcatgaaaga agtcatactg ggagaaaaac cttctgtata      240
tactcaatgn aataaagcat ttgcatatca gaga                                   274


<210> 247
<211> 534
<212> DNA
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76

<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(534)
<223> n = A,T,C or G

<400> 247
gactgaggtg gggtctttac tacgggccac gcaaagctgg gcacacacac aatggaagtg   60
actgtctacc accgacgggg ttcccagagc tacgtgcccc ttgctcacgc cagttcaacc   120
ttcaccatta ctgaccaggt acctttctcc gtgagtgtgt cccagctaca ggccttggac   180
ggagagacca agcacttcct gagaaatcat cctctcatct ttgcccttca gctccacgac   240
cccagtggtt atttggccga ggccgacctc tcctacacat gggactttgg agatggtact   300
gggaccctga tctctcgggc acttgatgtc actcacactt acctggagtc gggctcagtc   360
actgcccagg tggtactgca ggctgccatt cctcttgttt cctgtggttc ctccccagtc   420
ccgggtacca cagatggcta catgccaact gcagaagcac ctggaaccac atctaggcaa   480
ggaaccacta caaaagttgn gggtactaca cctggccaga tgccaactac acag   534

<210> 248
<211> 305
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(305)
<223> n = A,T,C or G

<400> 248
caaggcaggt tactaaagat nnacaggcaa gatggntatc ccagcaagtt ggncctggcc   60
tacaaagtct gcatgaccgg aagaangtca tccctgggtt nttcttgtgg cagcacanna   120
cccgcctgca gattgcatag gacccgtctc tggactatga gtacttgccc ctggtgggcc   180
tgaaatcatt catccagtcc ttctctggaa ctcctctttg gaaagcacag cgaagccatt   240
gcgganaaaa gggctggggg ngngcacatc gntaggtgag agtggagcct ccagctttg   300
gggct   305

<210> 249
<211> 233
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(233)
<223> n = A,T,C or G

<400> 249
catggacccc tccccacgag ngcaggnaca ccccagcact gggaggcccg atgcanaggg   60
ngaccccncc aagaggantg gccagtgttg ggccccaggg ctatggaact ggcatgcggc   120
ccccacccaa antcccttgc caccagccag gtcctgccgt cnatgaacat gggtccagga   180
gtgcgtggnc catggtccac atccaggnga aagtnngatc ccggactctt cct   233

<210> 250
<211> 510
<212> DNA
<213> Mus musculus

<400> 250
tgctttgtgc ttgtggagac ctggggccat cnnctggcac agtaggatgc ccccgngtcc   60
tcctcagcag aacaggaaca ggttatcaca gctgcctgtt ggggagcttg nagagatgga   120
actgacttgg caagagatca ttgtncatta ctgagctgca gggtctaaat gttccaagtg   180
agacatcttt tgagcctcaa gcacccaccc cataccctgg gccactgcca cctccaacat   240
attgcccctg ttcaattcat ccagatgcag gcttctccct tcccccacca tcttatgagc   300
tcccagcatc tactccccat gtcccagaac taccatactc ctatggtaat gtagccatac   360
cagtgtcaaa gccacttacc ctttcaggcc tgctcaatga gcccctccca gaccacttag   420
ctctcctgga cattgggctg ccagtggggc aaacccaagc cccaagaaga cccagaatct   480
gactcaggat tatccctcaa ctacagtgag   510

<210> 251
<211> 503
<212> DNA
<213> Mus musculus

<400> 251
aaagatgatg tctgcaaaca ccgtggctaa agtgatgatc atnatgctgg cagnctgtct   60
tcttacccaa acggatggga aacccgtgag gaagagagct gtcagtgaaa tacagcttat   120
gcacaacctg ggcaaacacc tggcctccat ggagaggatg caatggctga gaaggaagct   180
gcaagatatg cacaattttg ttagtcttgg agtccaaatg gntgccagag atggcagtca   240
ccagaagccc accaagaagg aggaaaatgt ccttgttgat ggcaatccaa aaagtcttgg   300
tgagggagac aaagctgatg tggatgtatt agttaaatca aaatctcaga aatgctgatt   360
tattctagac agtgcagggc actgacntat gctgctacct tttcaagctt atgaagatca   420
ccaagtgcta atacttctac tgnaatgaaa ctttggaatt tttttgatta cnttttgct   480
catttaaggt ctctttcaat gat   503

<210> 252
<211> 258
<212> DNA
<213> Mus musculus

<400> 252
acctaccctg aagaagaaag caattcggaa tcagctagca tttctgcagc aagacacata   60
tctgaggaca ggagagagtc tgatgactcg gatgttgatt tgggctctgc agtgagacag   120
ctgcagagag ttcattcctg acatacagga aaggggcggcc accaccatca gacgcatgta   180
tcgggatgac ctaggcgct tcaaagaatt taaggcacaa ggtgtggcta ttagatttgg   240
caaattttct gctaaaga   258

<210> 253
<211> 485
<212> DNA
<213> Mus musculus

<222> (1)...(485)
<223> n = A,T,C or G

<400> 253
ttgattttga agtatgtnat tgtcggtgcc antgctcttt ggtgtgctgc gggagccgga   60
cattntgaag ttgttaaact tctagnnagc catggagcca acgngaacca caccacagtc   120
actaactcaa ctccattgcg ggcagcatgc tttgatggca gactggacat tgngaaatat   180
tncggttgaa aataatgccg aatatcagca ttgccaacaa agtatgacaa cacctgccta   240
atgatnggng catataaagg gcacactgga tgtggtcaga tacctcttag aacaacgtgc   300
tgatcccaat gctaaagcac actgnggagc cacagctttg cacttttgca gnctaagctg   360
gtcacatttg acatttgtga aaganctgat aanatnggag agctngcant agctggtgaa   420
tggncatggg atgacnccat tgaagggggc cgctgaaagc tgtaaagctg atgtcgttga   480
acttg   485

<210> 254
<211> 174
<212> DNA
<213> Mus musculus

<400> 254
attcatttcc atttcaacaa atgatggcag aagttcctaa catggcagtc accgactgga   60
cagcaggtgc cagcagtagc tcctaacatg gcaaccgtga cagaacagca ggtgcccgca   120
gacgctcctg tccaggaacc tgcaccagaa ataatactga gattttaaaa aaaa   174

<210> 255
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

<400> 255
gaactgaggt tttactgcaa tcactgcaac aaaccccatt tggcttataa agactcgctt   60
acagcttgat gcaaggactc gtggggaaaa gcaaatgggt gcttttgaat gtgttcgtaa   120
agtctatcag acagacggac tgcgaggatt ttataggggc atgtctgcct cctatgccgg   180
catatcagag actgttatcc attttgttat ttatgaaagt ataaagcaaa aactactgga   240
atgtangact gnttctatga tggaaactga tgaggagtct gtgaaagaag catcggattt   300
tgtgagaatg atgctagctg ctgccacctc aaaaacctgt gccacaacca tagcgtatcc   360
acacgaagan ngaagancng gactacntnn ataanggaca cactntaggg annttntntc   420
ngcncctggn tttgagtgna ccctaagaag gcttacgg   458

<210> 256
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 256
tactgaggat gactatatgg aagcgctggc ccggctcctc tcacagtgac cagggcctac   60

```
aaggtgaaca ctgatatcaa ctttgaggtg tttattcata aagtagatgg tctgtcagat      120
gaccacaaaa ttgaaccca gagagacatt caccagaggg caaacgatga cctcgctgat       180
gctgggatta gaaaaaattc accttgagct tttacctgac aagcatatat gatcattcaa       240
tatttgaagc ctttagcaaa gtggttcaga aactgatccc acagctcccg acgctggana       300
atctgctgaa catctttatc tcaaattctg gaattgagaa agcgtttctg tttgacgtgg       360
tcagtaagna tttatatttg caactgacag cacgccggtg ggacatgcag acgtacgagc       420
tcttgctgng acatgattga cggnggtgat cgacatctct tgtatttatg ggtctcaaa       479
```

```
<210> 257
<211> 360
<212> DNA
<213> Mus musculus
```

```
<400> 257
actgagctgg agagaggcgt tcgtgagagt ggatggttac ttcggcagag caccattctg       60
aaacgctgga agaagaattg gttcgacctg tggtcagacg gtcacctgat ctactacgat       120
gatcagactc ggcagagcat agaggataag gtccacatgc ccgtggactg catcaatatc       180
cgcacggggc atgagtgccg ggacatccag cctccagatg ggaagcccag agactgtctg       240
ctgcagatcg tttgccgaga cgggaagacc atcagtctct gtgcagagag cacagacgat       300
tgcctggcat ggaagttgac actgcaggat tccagaacaa acacagctta cgttggttca       360
```

```
<210> 258
<211> 259
<212> DNA
<213> Mus musculus
```

```
<400> 258
gaccatcgag cagtccctgc tggccacacg ggtgggcagc atcgccgagc tcagtgacct       60
tgtgtcccgg gcgatgcacc atctacagcc cctcaatgcg aagcaccacg gtaatggcac       120
gcccatgcac cacaagcagg gggcgctcta ctgggagcca gaggccctgt acacgctctg       180
ctacttcatg cactgcccgc agatggagtg ggagaatccc aacgtggaac cttccaaggt       240
caacctccag gtggaaagg                                                    259
```

```
<210> 259
<211> 460
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G
```

```
<400> 259
gactgaggtg tcccaagcta gaggtaagca tggcagtaac aggaacccac tgctgagcag       60
cttgcgcaga tagctgcaga gaatgaggaa gatgagcact ctgtgaacta caagcctcca       120
gcccagaaga gcatccagga gatccaggaa ctggacaagg acgatgaaag cctccgaaag       180
tacaaggagg ccctgctggg cncgagtagc tgtctctgca gaccccaacg tccccaatgt       240
catgtgtgac tcgactgacc ttggtatgca gcactgccct aggccttntg gaantgntcn       300
tgacanngna gccncgagan gcttnagaga aanatncagt ntgttgttga aggaagggcg       360
cggngnacct actantaaag nttntttccn ggntgaacaa gaaagantcg tgtccgncat       420
gaagtacatc caacacacnt ataggaaaag gggtcaaaat                             460
```

```
<210> 260
<211> 466
<212> DNA
```

<213> Mus musculus

<400> 260
tgagtgggtt ttcctggatg atgtcctggg tcagaggtga gctctgtcgt ggggatttgg   60
agtggccagc attgtcacag gaccgtatgg aaggagggcc ctttttcttc cgtggaagag   120
tgccatgtat agacaccgtc ttgataggca tctgtgcgac gctcagcaag aggggacttg   180
ctgctcagga ggtccatgga cgaggccaag gggaactggt gattcacagg catgtttctg   240
ggaaggcttg caaactttcc cgcagccatg attcttaact ctgaggaggg aaaagagaca   300
gaaggacaaa gccttgataa ttcagaagct tgtctgctgt acgcgtgaga ctacatagaa   360
agcttggctc acaaggaata tagaaaaaca gggtggtgag tcctggccag ttcctggcac   420
tctgtcagca cttaatcaat gttaatcatt gttattaaaa aaaaaa   466

<210> 261
<211> 381
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 261
actgaggttg ctcaggacac cccttttcccg gttcgagggg agtcagccga cgcgcgcgca   60
ctgcgcagac tcctcgctgc agtgggcgtg atccgtggag gtcccgcccc tactcagctg   120
ctcagacaga agctggagcc ccaccgaagt agcagccaac gtctgatttc cagtccctga   180
cacacccacc tagccacctt cgttctgcag agtcccccag cggtcaggca atatgaagcc   240
caaactgatg taccaggagc tgaaggtgcc tgttgaggag cctgcggnag aactgncctt   300
gaatgaaatn gaggcatgga angcagcaga gaagaaagcc cgctggntnc tcctggtcct   360
gatcctggcg gtagtgggct t   381

<210> 262
<211> 506
<212> DNA
<213> Mus musculus

<400> 262
tctgcaggag tcagtcgcag tgttgctgta gtgatggctt ttataatgaa gaccgaccag   60
cttaccttttg aaaagcctac tgacatcctc cggacagtca agccagaggc taaagtgaat   120
gagggggtttg aatggcaact gaaactgtat gaggcaatgg gatacgaagt cgatacggtc   180
cagtgccttt tacaagcagt accgtttaca aaaggtgact gagaagtatc cagaactttg   240
gaatttacct caggaactct tcgctgttga cccaactacc atttcacagg gattaaaaga   300
tgacattctc tacaaatgca gaaaatgcag gcggtcttta tttagacatt ctagtatttt   360
gggtcatagt gaaggaagtg ggccaatagc ctttgctcac aagagaacgg cgccatcttc   420
tgtacttacc acagggagtc aggctcagtg ccacgtctta cttcattgag gcctgtgcag   480
tggatggaat ctaactttgc tggaaa   506

<210> 263
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

<400> 263
```
ggtctcctct tttgcttctc gaagccacgt gaaaaaggcc gtgacagact tgagggccac    60
gcccttccca gcttgctcag cggggtcctt gctgctctcc catttgtaga aggcatcctc   120
tgatatcacc tcctcgtcat acaggcaatc aaaaaacatc cggagcaagt ctgcaagagg   180
tgacaacagc cgcaggtgtg agcattntat ttgcaaggaa aagcaaagac atgtgaatta   240
cngagtgact gaatgtggtc ggtgaatgaa tgaatgaatg aanggctgca gtcaatcagc   300
acagtgaatg aacatccact ccccagnact gtgcactaca ccctcttgnt gctgagcaat   360
gtaacactca tttgcagacn aaacattact ttttattctt atntttgccc aaattcaact   420
atngtntggg anactactca aaggtgtttg ttatttaa                          458
```

<210> 264
<211> 106
<212> DNA
<213> Mus musculus

<400> 264
```
ctggaacccg agagactgtc gagcctgcac accctggagc tttgagggaa ccagctggaa    60
tccacaaagg gaatctacct tcctaagctg aagaatctct acctgg                  106
```

<210> 265
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(525)
<223> n = A,T,C or G

<400> 265
```
caactggaag agattcgcct aaagcaggta acagcaggag aacccaggca ccaagaagcg    60
caaggaaaac aaggagcaga atcagggaga atcggcgggg gagaaaagcc gatcccgaac   120
agctactcgg gtccttgcca ccagcttggc atacaggaac cggaaccggg agaaagagct   180
gctgccagta caactggaca ctacgcagcc tcaggacatt ntggaagagg aggagctcga   240
gcggatgaag ctcctgctac aganagagaa cctcatccgc ancctgggca ttgtngagca   300
gctcacccgc atgctgtacc ctanccaccg gagccacaga aagcttcatg agtatcgggn   360
gaggntccct gcgaagcctn tcacaaagca aggnaacaag ggctgtgatg ccaacacgtn   420
nntggtggtt ttaaccaaan gaggttattt gtgatggtac cttgtcacgg nagcctggga   480
ataggctctg ctggnttcca tgatgtcngt taccaggctt ccttg                  525
```

<210> 266
<211> 460
<212> DNA
<213> Mus musculus

<400> 266
```
agcacggacg gaggaaggag gagaagctga gccaggccta tgcaatcagc gctggtgtct    60
ccctggaggg ccaacagctc ttccagacca ttcacaagac cattaaagac tgtaaatggc   120
aagaaaaaaa cattgtagtc atggaagaag ttgttattac accccccatat caagtggaaa   180
attgtaaagg caaagagggg agtgcactga gccatgtacg caaaatagtt gaaaaacatt   240
ttagagacgt ggaaagccaa aagatactgc agcgttcaca agcccaacaa ccacagaagg   300
aggctgctct gtcatcctga gtccacaaac agggaggact cttccagcat ccagccacag   360
cgatggtggt ggtggcttca gtggaggccg gcccggggga gggaagggat cctatatttc   420
ctgctgactc ttattagggt cagtgtttca aaaaaaaaaa                        460
```

<210> 267
```

<211> 275
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 267
```
tactgactca gctcgggact ggccctttaa gaaaacattc nttgctcgtc ggtcccgccc      60
ggggcccgta ccctggacac tttaaaagga cccagntagc cctggaggcg aggngaccgn     120
ctccccgccc tggccctgcg ctgcgcagcg ctgtggctcc tgcccaagcc ggnccgtaga     180
gaagactggc ccgcagcggn tttctgcgcg anttncttgg atctcnccnc aaangcgctg     240
atagatggga cacgngncca ggctgctttt gctgc                               275
```

<210> 268
<211> 333
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(333)
<223> n = A,T,C or G

<400> 268
```
ttatacatgc tgttctcaag agatggaaga gaagtncagc ctgcaaagta aagatgattt      60
caaaaccgtg gtcagcgaac agtgcaacca tttgcaagcc atcttttgcat cccgttacaa    120
gaagtttgat gaattcttca aagaacttct tgaaantgca gagaaatccc tgaatgatat     180
gtncgtgaag acnttttggc cacttatgcg tgcaaaantn agagctatat aaagatctct     240
tcctttgagt tgaagcgnta ctatntggcg ggaattgtga acctggaaga aatgttanan     300
tnacttnctg ggcctcgcct tctggcgcgc atg                                 333
```

<210> 269
<211> 427
<212> DNA
<213> Mus musculus

<400> 269
```
gactgaggac ttgccttctg cctgtcgtct gaagagggaa actcttcgta ggagggctca      60
acttcaacac cgatgaacag gcacttgaag accacttcag cagctttggg cctatctctg     120
aggtggttgt tgtcaaggac cgggagactc aaagatcccg gggtttttggc ttcatcacct    180
tcacaaaccc agagcatgcc tcagatgcga tgagagctat gaatggagag tccctggatg     240
ggcgccaaat ccgagttgat catgcaggaa agtctgccag gggatccaga gggggtgcct     300
ttggtgggcg tggtcgcagt tactctagag gtggtggaga ccaggggatat ggaagtggaa    360
gatatgacag tcgtcctgga ggatatggat atgggtatgg gcggtctaga gactacagtg     420
gcagaca                                                              427
```

<210> 270
<211> 142
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

```
<222> (1)...(142)
<223> n = A,T,C or G

<400> 270
ccactgttgg agaagaccag tcagggcctg acaggcccan aggcancctg ctcactgcag        60
gactgagctc caccagggag gtctgcttgg gcaggagtcg gnagagagcc cagcgagacc       120
ccagcagcct cccgtttctc gt                                                142

<210> 271
<211> 451
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 271
gactgaggtg gggtctttca ngagcccagn ctgggacaga aggtacccac ggagggacac        60
tccgaaccga tcctgttgcc ctctcggntc ccagagccgg caggggggccc ccagccggga      120
atcctggggg ctgtaacagg tcctcggaag ggaggctccc gccggaatgc ctggggaaat       180
cagtcatatg cagaactcat cagccaggcc attgaaagcg ccccggagaa gcggctgaca       240
ctcgcccaga tctacnaatg gatggtccgc acggngccct acttcaagga caagggtgac       300
agcaacagct cggcaggatg gaaggtggtt tgtgttagtg taccaagtac agnggacaga       360
atggaccttc acgtanacgt tagagtgagg gagcanatct acnatgngcg gagggggccan      420
actgaacana agatgggaca gcttgacccg a                                      451

<210> 272
<211> 352
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

<400> 272
gactgagatc ccgtgataat ctcgcaggaa cgatttccag caacactgtg cacttggctg        60
ccattctgtc ttgcttgctt gtccctcaca aacagtcagc tgagcagcag tcttcaattc       120
cagatgccac tggctctttg cacagactca agagaagacc gaaagcatta gngataaagc       180
cacattctcc aagcttgcag cctngagatg agtggccttt ctgcgaggca catnaacagc       240
gtgacttnga agagcanagc ttgnatagag atntaggntc aacggcctna nctgacagaa       300
cagncaactg gctgnaccgn gttttgtgtg tgtgtgtgtg tgtgtgtgtg tg               352

<210> 273
<211> 256
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(256)
<223> n = A,T,C or G
```

<400> 273

```
ctggtggcgg tgctgtntgn gacngactgg gctgaggaca tgcccannct gaaggacctg      60
gccantgtgg ccttctgtga tgcacagtcc actcaggaaa tccatgagaa ggtgttgaat     120
gaggctgngg gtgccatgat gtaccacacc atcaccctca ccagggaaga cctgtttntn     180
ttcaaggcng tgagagtaga tcgngcgaat cggtactggc tacgacaacg tggacatcaa     240
ggctgctggc gagctc                                                     256
```

<210> 274
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 274

```
gactgaggtg gggcgcccgt gagactgcgg ctgcatctac cggcttcgag ttcgcctact      60
ggatgaatat gaaaacgaag tggtcaagtt ctctgcctca cccaacccag tccttcagtg     120
gactgagagg agctgccgac aaggactacc atgatgtgat gcanacatct ctaggttgct     180
atgcctgagg actactccat gtgnggaggc caagccagac ctganngcac acncttntgg     240
tccccacatc aaggtaaacg gaggaggatc tggagttcaa ggtcatcccc agctgtatac     300
tgacttcaag gccagcctga gctacatgag gccctgtcaa aaaagagaga atatccaata     360
gaccaagctt gggatcataa caaaaggaga aagctactta taagaagaca gggactttaa     420
aaattttctt aatccggggc tggagagatg gctcancggn taagagcact gactgctctt     480
ccagagncct gagttcaatt cccagca                                         507
```

<210> 275
<211> 393
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 275

```
atgttaaggt gcatggcggc ctgctgcaga tcttccccga gggtcggcca gtggtagcca      60
acatcgagcc actctttgac cggttgctca ttttctggtc tgaccgacgg aacccacatg     120
aggtgaagcc agcctatgcc accaggtacg ccatcactgt ctggtatttt gatgccaagg     180
aacgggcagc agccagagac aagtatcagc tagcatcggg acagaaaggt gttcaagtac     240
cagtatcaca gccaactaca cctacctaat ggccagcccc agagctgcgt ggaccagcag     300
cagctcctgc ctcagtgccc gctcctttcc tgccactgct gctgcttctg gcttgcctct     360
gtactgngtg gngtggaggg cactaagtat cac                                  393
```

<210> 276
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(322)
<223> n = A,T,C or G

85

<400> 276

```
gactgagggt ccccctgaga naatgaagag tatccgggag accatgaagg ancaaggtgt          60
cctcaaagac tttctgaaga accacaagta tgaccctggc cagaaatacc actttggcaa         120
gnttggngac tacagtgtac tctatgagcc catggcctat atggatgctt cctactatgg         180
tgagatcagc atcgggactc caccccagaa cttcctggtc cttttcgaca ctggctcctc         240
caacctgtgg gtgtcttctg tctactgcca gagcgaggcc tgcaccacac acacccgcta         300
caaccccagc aagtcctcca cc                                                   322
```

<210> 277
<211> 370
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

<400> 277

```
gactgagtca aatggcagct tgctcagtan ctgccgaggc gctaggagtt gccgaaacag          60
gtccggaagc taccgagcga gtccggaagt tgccgaaagg gagcagcggg gaaggaggat         120
ggcgnatctc atcgcaagac ttcgagagga cgggatccaa aagctgtgtg atacaggagg         180
gccgaggaga gttgccggac tttcaggatg gcactaaggc cacgttccac tttcggacgc         240
tgcacagtga caatgaaggc tccgttatag atgacagccg aacacgangc aagcccatgg         300
agctcatcgt tggcaagaag ttcaagttgc ctgtgtggga gaccatcgtg tgcnccatgc         360
gtgaggggga                                                                 370
```

<210> 278
<211> 227
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(227)
<223> n = A,T,C or G

<400> 278

```
gtgcttcaca cacctgcttg nnttacctgn caggcgagaa nnctngtgna tggtanngag          60
ccngggacca ngcagctcat tcagngcntc agganntaaa acccanaatn ctaccnagng         120
tccccacttn ttggggctcc acatgncctg agatctagga actgcctttg cctgcgccaa         180
agctattcca ttaaaacttt actgctgggc tgcctcaaaa aaaaaaa                        227
```

<210> 279
<211> 175
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(175)
<223> n = A,T,C or G

<400> 279

```
gactactggc agtattcgtg angtgattgc agaatggatt gagctgncac atgcctgctg          60
acctgtgaac ttaactgctn atttccagac nacacagatg gnatttgctc cnangagcca         120
```

tttctaaaca ggtccacttc ccctgtatcc tttctttttcc actacttctg gtggg   175

<210> 280
<211> 260
<212> DNA
<213> Mus musculus

<400> 280
gactgaggtg gggtctttca catttttcgag ctgagacctt gatcggctaa cttagtcaaa   60
ataccactgc caccgctgaa ggaccaggtg ttcgaatgca cagtgttgca agcaacgcaa   120
gcgaaagtga ccctcacaca cacagccctc tgtgtccttt tatggctgtt ctgtcgtcga   180
tgccaacccc caattattta ttattgttaa taacttactt tttcttacat tctgttgtaa   240
ataaagtatg aagcaatctt   260

<210> 281
<211> 186
<212> DNA
<213> Mus musculus

<400> 281
tcgggatgtt tgacggctat gatagctgca gtgaggacac aagtagcagc tccagctctg   60
aggagagtga agaagaagtt gctcctttac cttccaatct cccaatcatc aagaataatg   120
gacaagtcta cacatacccca gatggtaaat ctggcatggc tacctgtgag atgtgtggga   180
tggtcg   186

<210> 282
<211> 310
<212> DNA
<213> Mus musculus

<400> 282
gactgaggcc ttaagtattc ttcaaagagt cccccagtag tggtgatcac agacatgaaa   60
agatgcgaga cgccgcagat ccttcaccac caaacaaaat gttgcggaga tctaatagtc   120
ctgaaaacaa atacagtgac agcacaggtc acaacaaggc caaaaacgtg cacactcaga   180
gagttagaga aagggacggt gggaccagtt actctccaca agaaaactca cacaaccaca   240
gtgcacttca tagttcaaat tcacattctt ctaatccaag caataatcca agcaaaactt   300
cagatgcagg   310

<210> 283
<211> 398
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 283
atgttaaggt gcatggccgg cctgctgcag atcttccccg agggtcggcc agtggtagcc   60
aacatcagag ccactctttg accggntgct cattttctgg tctgaccgac ggaacccaca   120
tgaggtgaag ccagcctatg ccaccaggta cgccatcact gtctggtatt ttgatgccaa   180
ggaacgggca gnagccagag acaagtatca gctagcatcg ggacagaaag gtgttcaagt   240
accagtatca cagccaacta cacctaccta atggccagcc ccagagctgc gtggaccagc   300
agcagctcct gcctcagtgc ccgctccttt cctgccactg gttgctgctt ctggcttgcc   360
tctgtactgg gggggggngg agggcactaa gtatcact   398

87

```
<210> 284
<211> 159
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(159)
<223> n = A,T,C or G

<400> 284
gagcacaggc ggcagttggt tctccatcct cngtgagccc tggagcatgt ncccactgcg        60
agccttcagn catgccgntc tgcacgcttc tgtctccaac aagtggagcc aatgagtcac       120
accccagggg ggctngaggc acccatcacc accagtgca                              159


<210> 285
<211> 250
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(250)
<223> n = A,T,C or G

<400> 285
atctgagacc tcgtctgcaa acagcataag cagcagtact tcttcaaacc acagcggcta        60
cactccagag ccccctctgc tcccagctgg aggcgacctt gccagccgac tgtccagtga       120
tgaaggggag atggacggag ccgacgagtc cgagaagtta gactgtcagt tctccacaca       180
ccacccccaga cctcttgcgt tctgctcatt cgggagtcgc ctcatnnnac gaggatacta       240
tgtgtttgat                                                             250


<210> 286
<211> 145
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(145)
<223> n = A,T,C or G

<400> 286
gggacatggg ttggaggacc ctgccntcca gacgccagga agaggagact acnanagacc        60
tggctctgaa atnaccacca gggaaacctg gaggtctcct gcccagcatt gatganaccc       120
gacctatagg cccaggccca gcctc                                             145


<210> 287
<211> 110
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(110)
<223> n = A,T,C or G
```

88

<400> 287
gagcagtttg cctaatgcca gagcggggga agatgctgag tgcacaagat caacantgag   60
aacaaagccc tggacttcnt cgccagcagg ggaaacaagc tggtgtccat   110

<210> 288
<211> 245
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G

<400> 288
ttcctcaccc gccagctttt gcctgacctt acaagcttct gagatgaana acccggagga   60
agcggcagac gggaaacagc tgtattcncc tgcgccctgg ctcgctgcgt ggttgcctga   120
ccggctaanc atgcacctnc tgcnctgcga cgttctantn tgcntggctc ggtcncggta   180
gatcgcttnt tcncgncccc tngnncncca cgatgcataa cgggctacag ggcgtcgttt   240
cgcgg   245

<210> 289
<211> 489
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

<400> 289
tgacgctcct ctcttcccag tcttcatccc tggcagcccc ctttgggtct gtgtccactg   60
aaaacccaga gcagaggatg ctggagaaga gagccaaggt ggtggcggag cttttgcaga   120
cggagagaga ctacatccgg gatctggaga tgtgcattga gagggtcatg gtgcccctgc   180
agcaggcaca ggtaccaaac gttgattttg aaggnntttt tggaaatatg caaacagtga   240
ttaaagtctc aaagcaattg ttggcggcct tggaaatcag cgatgctgta ggacccgtgt   300
ttcttgacca ccgagacgag cttgagggan cgtacagggt ttactgccag aaccacgatg   360
aagccatctc cctgctggaa atgtacgaga aggacgagaa gacccagaag caccttcagg   420
actacctggg cagatctcat gagcctgtac cacgaatggg gatgcnccca attacatcaa   480
cctggggct   489

<210> 290
<211> 331
<212> DNA
<213> Mus musculus

<400> 290
actgagggtg acctgtctgt gtgcccagtt tgaagccgtc cttcagcatg gcatgaagag   60
gagccgagga ttagcactca cggctgcagc catcaaacag gcagcaggct tcaccagcaa   120
gaccgaaaca ggagcaaggg ggctggtgag atggctcagc aagtaagagc acccgactac   180
tcttctgaag gtccggagtt caaatcccag caaccacatg gtagctcaca accatccgta   240
acgagatctg actccctctt ctggagtgtc tgaagacagc tacagtgtac ttacatataa   300
taaataataa ataaatcttt aaaaaaaaaa a   331

<210> 291

<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

<400> 291
```
gactgaggac tttaagctcg acttcggcaa tttccaaggc aaaatgagtg agaggtggca    60
cggaggcatn antgncatnn ttgnganncc tntntncnaa tanganattn agggttctnc   120
tcaataagcg gaaggaaatt acctgccnnn gttacctgat gacgaactac nagagcgcgc   180
ccncatcacc acagtataag aaggttatct gcatgggtgc ganaganaac ngtttgccac   240
aggantatca ngaganatta aaagcnatan aaccaaatga gtatnaagga angatctccg   300
acgaaatgga agacatcatc aaaangggag agtcanaact gtcataacag actctgaagc   360
tntgtgtgct attatgaagt gcttttaacg tttgcgaaca ngagtctgga ccttcttggt   420
tctgaccttg attttcaaca gtgctgnnaa gggcttctca cataggtgat tctttatttt   480
tanctgtaac aaacaactg                                                499
```

<210> 292
<211> 381
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 292
```
gactgaggac tatgatgttt gtctgtagcc cangccgacc tcnangntnt ccggcctcan    60
ggccccctga gtaatgggga tgggaaggcc tggaacacca cacccagctg acgctnctca   120
aggcctttc atagtctcca agccttgaag gtttacaaga agaaagcagg cnaccagatn   180
cgcctgtctc tgcccacaag ggctggcatt aaagatgtgt gccgccatgc ccagtgatcc   240
cagtttaaaa gaaaaagaca agattccgat tgatanaata ttaaannaan ctnagntgnc   300
tgtgcccact atggaacaac ctnanactga gaacccagcc cctagtaagg ccactagtgc   360
anaaactgtt tttttaatgc c                                             381
```

<210> 293
<211> 390
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 293
```
actgagctaa caagcaganc accagcnggt cagtatttgg atggcttcac ttgacagtac    60
ttntctttga agnccactgg gntcatctgc agagcttcac ctacctcatc cactggaaga   120
aaatgtcaag gcattcaatc aagctttgga gataatcagt tattaagcat acagctgaat   180
cctttttaaaa acacatatca cttacatggt atgttgattg atccaggtat ttttccttgc   240
tcaagaattt cccatgtatt tctaacatca attaacataa tgtctttgga gttcagtagg   300
ctttttagtt ccctataagt cacaccctta ggagtagaac aaaatgcttg gctgcatctc   360
```

90

catattgact tcaaacctga aagaaataag   390

<210> 294
<211> 489
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

<400> 294
gactgaggct agatcttcag aactgttccc tgaggatcct ggtccaaact ttttacaggc   60
ttatactgct attatcatag accttcaggc aaatcctctc aaggatgatt tggccaacac   120
cttccgtggg tttactcagc tgcagactct gatactacca caagatgttc cctgtcctgg   180
aggtagtaat gcctgggaca atgttacttc tttcaaggac aagcagattt gccaagggca   240
aagggacctt tgcaatagca ctggaagccc agaaatgtgt cctgagaacg gatcttgtgc   300
atctgacggt cctggtcttt tgcagtgcgt ttgtgctgat ggtttccatg gatacaagtg   360
tatgaggcag ggctcatttt cactgcttat gttctttggg attctgggat ccaccacgct   420
agccatctnc attctacttt ggggaaccca gcgccggaaa gccaaggctt natgagccac   480
acaagactt   489

<210> 295
<211> 334
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(334)
<223> n = A,T,C or G

<400> 295
atgctcccaa acctgggaac tgggacagct ccgatgcctg gggctccngg acagacggaa   60
ctagcgctca naggaacagc agctgccaac anctgggaca cgggctttgg ccacccacag   120
gcctaccaag gaccagnanc tggtgatgat gacnaatggg atgaagactg ggacgacccc   180
angttcttct caccttactt gagggattca gaaccagctg aagcaggggg catccagngg   240
ggaaacagtc gtgcgggtgc ctcctccatg aagctgcccc ttaacaaatt tcctggattt   300
gcnaaacctg ncatgnagca aaactttgtt ggcc   334

<210> 296
<211> 141
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(141)
<223> n = A,T,C or G

<400> 296
ccctgggagt ctgctatggn nttccctcac ctacaacagc nnagtttnct tntggctagc   60
ctgaaagctg acctctataa ataagccctt tgcacaacgt tcgccaagat tncggtgaan   120
gtcattgagg attttccagc c   141

<210> 297
<211> 445
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

<400> 297
tgcccggtgg agctgtgtag cctccgttcc ctgcgggatc tcantgntcg aaggaaccag   60
ctcantaccc tgcctgatga gctgggagac cttcctctgg tccgcctgga tttntcctgt   120
aaccgcatnt cccgaanncc cgtntacttc tgccgnctna ggcacctgca ggncgttctg   180
ctggatagca ttnccctac agaggccacc tgcccagata tgcctgaagg ggaaacttca   240
catcttcaag tacctaacaa tggaagctgg ccggaggga gccgccctcg gggacctggt   300
cccttcccgc cccccaagtt ttagtccttg ccctgccgaa gatttatttc cgggacgtcg   360
ttatgatgga ggcctggact caggcttcca cagcgttgac agnggcagca agaggtggtc   420
agggaaaatg agtccacaga tgatt   445

<210> 298
<211> 353
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(353)
<223> n = A,T,C or G

<400> 298
gactgaggtg taacacccag gnactacatc tggcacaagg gggatgcgct gtgagtccat   60
catcacggac ttccaggtga tgtgcgtggc cgttggctcg ctgctctcg tgcttctcct   120
tcctgttctt gatgactgtg ttctttgcca agaanctcta tctngctcaa gactngagaa   180
tacncaagct tggggaggac nnnntaaaaa ccnggacccc gtctgagctn cncaanngac   240
aanntctncc tcnccaccat tggncgaggg ngtnttcanc cgnaatagac agagcccngc   300
gctccccaca aaatncagga nccctctcaa gtnccgcctg aaggagggaa gaa   353

<210> 299
<211> 289
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 299
gagaacacac tggtagcaat tttaatgtac acatgcaaga acaaaagcct gtgaagctgg   60
aacgcaactg taggttatgc cactaactta gccttaatga atgaaatcgt agttcagcgg   120
tggaggccct gcctagtacc tgccgaggcc ctgggttctg tctccagcac tacaagctac   180
atacaggaat ttattgaact taggacttct tcgtgcatgc taagnnngtc ctctcccaac   240
tgagccacat ctccagttgc ttaatgaata ttaaggaaca aaaaaaaga   289

<210> 300

92

<211> 204
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(204)
<223> n = A,T,C or G

<400> 300
aagggcagag acttgatcat gcacttacac agngcnagac ttcacattgn anggaagcct   60
ttggtatggn atacctgtna cctgctcatc atagcttgac nncanntcca gcggagcnna   120
nagacctttg tgccaancct atgtgagtnc ttcaggccaa ttcatctctg ngcaaagacc   180
tggncctgcc ctgccacttt gtgc   204

<210> 301
<211> 115
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(115)
<223> n = A,T,C or G

<400> 301
tactgtagga tactcgggga agacanccac agntgtgtna aaggggaacc cccatcaaat   60
gcgggcagnc catccgtntg acacacatca acanaggtng aagcctgcac agacc   115

<210> 302
<211> 317
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G

<400> 302
tgagtgagaa ggccccaggg atggcgcttt ttttaaggga cctgcgtatc ctgggtaccc   60
cttcctnntg attccagacc tnagcngccc gtacctctcc aacggacccc tgtctcctgg   120
tggagcgcgc accgtctnac atgatnntgg agctcantcn tgcaatanca nattgcagct   180
gctaacatca gnagactgct tggctgccaa naactaggat ntaagangtg cnnntnangn   240
ctgnagagat ggctcagngn ataagactgn tcttacatag gcnctgagnn caaatccnag   300
acaaccacat ggtggat   317

<210> 303
<211> 444
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 303
gactgagccc cgttccttgt ggactgtcca gngtgctggc aaacccagga aacagtcagg   60
ttgccagagt tgcagctggt ctacaaatta agaactcttt gacatcgaaa gatccagata   120
tcaaggcaca ataccagcag aggnntcagc tattnatcgc ttntgntcta cgtggaagtc   180
aacganntnt nnnctttgga agccagaaga gagtgttgat tcccctggat ntggagttac   240
acgccatcgt gnggatcaga caagggtgct gngaactgaa ctctttggag agnagggagg   300
gttatgctgt tttgctctcc ccaacacagt cccacagctc ccctttgttt tagggatggc   360
aggtcctgtt gtttgctggt ttttacagga taatgtgtaa agtcagggan gataaataag   420
taattttgag tcaaacaaaa aaaa   444

<210> 304
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 304
gactgagacc caatcccacc ttctcacagc caagtgccaa tggagtccag acagaaggcc   60
ttgactatga caggctgaag caggacattt tagatgagat gagaaaagag ctggcaaagc   120
tgaaggagga gcttattgac gcaatcaggc aggagctgag caagtcgaac actgcataaa   180
gaagcaaact acggaggggc aggacttgaa tctggagaaa acaaaaattc ctacaaacaa   240
ctcttaaccc ccaaactttt aagctgtaag aagaaaatgg atacacagtc aggagggaag   300
ccgtcaacct ctgaaagcct cagacagtga ctctggcgat cagctgtccc ctcagtgtgc   360
tgctttattc tgtctgacct ttaccacagg atggagaatg atattggagt tcccttagca   420
gtactaaacc cgtcaggcaa gatcaccgng cattgaaata ttttcatgtc tagatgantc   480
tgcacgttnt ccataatcca ttgctaa   507

<210> 305
<211> 500
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 305
tgagcgctgg cgtggatgct gccatcgcct ggtctttgnn gactcggctg cttttaatg   60
gcngcagcgg ctgnctggga ngaacancta gagacnanna gtttgntntg acggnagggt   120
tgcttttgct tggcgccatc actgntggat tggcccttcc tggcccttnc tctgttagaa   180
gggagaagat gccactgcca ttnggattga aattgaaacg cacccgacgc tacactgtgt   240
ccagcangag ctgcctgggt gcccggatcc agctgctcaa taatgagntt gtggagttca   300
ctctgtcngt ggagagcact ggccaggaga gcctanaagc tgnggcccag cgcctggagc   360
tgagagaggt aagctgcaaa ggaggctgca ggtctttttt tcttcactcc ttacctcatg   420
gaggctgngt atcctaccta gtctacctga caccagaagc atgcacttcc tgtctgtgac   480
tgcagatgaa cctgaagccc   500

<210> 306
<211> 420
<212> DNA
<213> Mus musculus

94

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 306
tgagccctgt cagaccccgg agtgatgtga cccacaagca gctctcagca tttggagagt   60
atgtggctga aatcttaccc aagtatgtcc aacaagttca ggngtcctgc cttgatgagt   120
cnagaaatct gtatccatcc cgatggagtc atcccaacgc tgactttct caggatcac   180
accaatgcac aattcaaatc cttggctgac ttgacggcag tggatgtccc aactcggcag   240
aaccgntttg agattgtcta caacctgctg tctctgcggt tcaactctag gattcgtgtg   300
aagacctatg cagatgagct gacacccatt gactctatag tgtctgtgca ccatcgcggc   360
ccaattggta tgaggaggga ggtctgggac atgtttggag ttttcttttt taaccaccct   420

<210> 307
<211> 254
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(254)
<223> n = A,T,C or G

<400> 307
atgtgatgaa caaggacgag aaagcacagc anccactggt gcttagcntg atataggaat   60
anacnnggat gnccgacagg ctttccatgt ancatggtgn ttagttttgc cagggctgct   120
ttgtgaagaa gaagggantg gtcannacan tgggtcanta ntgtggcnac tgtnaatacc   180
acttnagaag gctgaaaaag acaaacgggg atntattagg ttatanganc aaaagnttaa   240
gtgacttctt cctt   254

<210> 308
<211> 131
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(131)
<223> n = A,T,C or G

<400> 308
tgagagtctc tgcaggaggt atcacccagn nggcagatc atgctggcag caacaggggt   60
ggccagtatt tgtcccagcc tggggcttcc tccctggttt cttatttgca gttacttgaa   120
taaaaaacaa a   131

<210> 309
<211> 298
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

95

<400> 309

```
gaggaggctc aatggccctg agtgaagatg aggctgaggc agaagtgtct gncaacacaa      60
aggtcccatc ctgtggcagg tggaactctg ggaagctgct gccctcaggg cttgaaccag     120
atcagcccct acatctgggt gttgaggggg ggccactgtg gagggctgaa gctgaccctg     180
gntgcatctt ttttagtttt cttgtcacng atccatactg ccagcaaaga accagtanca     240
gataggtcta agcctnccct cagagncccg ctttnttctg ccagtgtag ggcactgg        298
```

<210> 310
<211> 268
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 310

```
gagaccatga aggaacacag gctgncactc anagacttnc tgaaganccn cangtctgan      60
cctgancaga aataccactn tgggagggtn ggtgnctaca agtgnactct atgagcccat     120
ggcctatatg gatgcttcct actatggnga gatcagcatc gggactccac cccagaactt     180
cctggncctt ttcgacactg gctcctccaa cctgtgggtg tcttctgtct actgccagag     240
cgaggcctgc accacacaca cccgctac                                        268
```

<210> 311
<211> 451
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 311

```
gactgagacg tgatggtgtg gtccaacgaa cgggtcatgg gttgggtgtc tggtcttggc      60
ctgaaggaat ttgctacnaa tctcacggag agtggggtgc acggngcact gttggctctg     120
gatgaaacct tcgactactc cgatctggcc ttgcttctac agatacctac gcagaatgca     180
caagntnggn aactgctgga gaangaattc antaacctca tntccttagg cacagacaga     240
cggctggatg aggacagtgc caagtccttc agncgctccc catcctggag gaagatgtnc     300
ctgcgagaag gacctccggg gtgtaacccc ngattcaacc nagatgttac cccctactt      360
ttgctcantt gccgnaggag ccctacgctc tcccggnctt nctntccgcn aaactgcagc     420
ctgaaggcca gacttctggg agttagcaag c                                    451
```

<210> 312
<211> 445
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

<400> 312

```
actgaggaaa cacaggatga gtcagctgtg ttatggttgg atgaaattca aggtggaatc      60
```

96

```
tggcagtcca acaaagacac ccaagaggcc cagaggtttg ccttaggaat ctctgccatc    120
aatgaagcag tagacagccg gtgatgttgg cagaaccctg agtgccctac gttctcccga    180
cgttggctta tatggagtga tccccgaatg tggggaaacg taccagagtc gaccttgctg    240
aagccaagaa gaagagactg gcagnaggag atantaacag naagtgggtg agagcactgg    300
gtgaaaggng ngtaccatta ctaccacaac ctgnagacgc aagcaggagg atgggnagag    360
ccncnagact ttntgcaaaa ttntntgcan cttttatnga gangggatcc agagntccan    420
ctctggagta acccgctgca tataa                                          445


<210> 313
<211> 510
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(510)
<223> n = A,T,C or G


<400> 313
actgaggggt gaacatgatg atgaggaaga tcgctgtggc tgcagcctcc aagccagcag     60
tcgagatcaa acaggagaat gacactttct acatcaaaac ctccaccact gtgcgaacca    120
cggagattaa cttcaagatc ggggaggaat ttgaggagca gaccgtggat gggagaccct    180
gtaagagttt ggtgaaatgg gagagtggaa acaaaatggt gtgcgagcag aggcttctga    240
agggggaggg ccccaagacc tcctggagcc gagaactgac caatgatgga gagctgatcc    300
tgacaatgac agcagatgac gttgtgtgca ccagggtcta cgtccgagag tgagtgccta    360
cgggtccaag aactgcctga gacgacttcc gtgcccgcta caggacacca aacctccctc    420
ccacgtncat cttacaaact anctctcccc ttactcctga gggttactgc ttcctccaag    480
gccttttgtt cttttgcctt ctctaagcca                                    510


<210> 314
<211> 429
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G


<400> 314
ccatgagcga gctgaaagac ngtaccactg cagttncatg acttnaagnc tgtggaccac     60
ctgaaggtct gtccccannt acactggcag tgctggcccg ctccgaggac gatggcattg    120
gcattgagga gctggacacc ctgcagctgg agcttgagac tctgctgtcc tctgcaagcc    180
ggagactgcg tgtactggaa gctgaaaccc agatccttac tgactggcag ataagaaag     240
gggaccgacg attcctgaag ctaggtcgcg accacgagct cggtgctccc cccaaacacg    300
gaaagcccaa gaagcagaaa ctggaaggga agacaggaca tgggccaggc cctggcccgg    360
gacgacccaa atccaaaaac gtccaaccca agatccagga atatgaattt actgatgacc    420
caatcgacg                                                           429


<210> 315
<211> 304
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
```

97

<222> (1)...(304)
<223> n = A,T,C or G

<400> 315
gccgggcgcc gcctctaggg ccacccangg ctcttctaca tgccattatc ccaccaagct   60
ncaggggggca gacagcgacc cttctgggca gctggnatcg cgactggttg cgtncctgac   120
tcggtccaat catcggagag ccgacgcttt ctccttgagg aagtgactgc gctcggaacc   180
tagtgggggc cggnggggagn gatgngnncg nngagnnnct gagtcgatgg tagtgtgcgc   240
ctggaccacc ganactctgg actagnctct gntctcttgt ggccaagngt ggctcgtgta   300
caat   304

<210> 316
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(538)
<223> n = A,T,C or G

<400> 316
gactgagtgt cttaaaacat aatgggtgaa gacgaattgg cactcttaaa tcaaagcatc   60
aatgaatttg gggataagtt cagaaacaga ctcgatgata atcatagtca agtgctggga   120
cttagagatg ccttcaagga ctccatgaaa gcgttttcag aaaagatgtc tttgaaatta   180
aaggaagaag agaggatgac tgagatgatt ctggagtata aaaaccagct ctgtaagcag   240
aataagctca ttcaacgaaa agaaagagaa tgtgttgaag atgattgctg aagtaaaagg   300
caaggagcaa gagtcggaag agctgactgc taaaatccag gagctcaagg aagagtacgc   360
taggaagagg gaaaccattt ccactgctaa caaagctaat gaagagagat tgaaaggact   420
gcagaaatca ncggatctgt atagagatta ccttggacta gaaattagaa agattcacgg   480
taataaattg cagnttatat ttactagtat tgaccctaag aatcctgaga gcccatat   538

<210> 317
<211> 511
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(511)
<223> n = A,T,C or G

<400> 317
tgctaggagc gcggggncca gcagcagncc catacccnt tggatcgtac attctanaag   60
cgactgcccg tggagatgct aatgaaagcc atcntacagt aaagcaacat gtccttnttt   120
nctnggggacc agactgaagg aaggggcggg agagaggcag gtgcaaggcn gtgggcgagg   180
caggcttcac aagcnggcng acggagttnc cacaanctnt acccaggggan atccccaccc   240
tgccccatag ggcccattcg ggatcaactc catntcaant gtangtcctc tggcacagcc   300
anctgtgcct gtagcgaact ccgccagcac attttcgttn tncgacagca gcctcacagt   360
gagctcatac aggctgcccg catccgtgcg acccgagtac ctgcagggga gtgggagaca   420
cagacctcac ctgntgagag agcctcactc tgccagagat ctcttctgcc tatcccagca   480
tncctgccgg gcaagtgcac cccccccagc a   511

<210> 318
<211> 508
<212> DNA

98

<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(508)
<223> n = A,T,C or G

<400> 318
ccactgatct tcagcacgnt actttgcttg cttgatgaga gcccggttng nagaacatna   60
gaatgagaag gatatgatga gggctaccca gctgctgagg gaggcagaag aagaattctg   120
gcagaatcag catcctcagc cgtatatctt cccagactct ccggggggca cttccttcga   180
gagatatgag tgctacaagg ttccagaatg gtgcttagat tactggcatc cctctgagaa   240
agcaatgtat cctgattact tttccaagag agagcagtgg aagaagctga ggatggagag   300
ctgggatcgg gaggttaagc agctgcagga ggaaacatca cctgatggta ttatgactga   360
agctttgcct cctgccagaa gggaaggtga cttgcccccca ctgtggtggc atattgtgac   420
cagacctcgg gaacggccca catagaggca ggcccctcac tgttcatgct tgcaagtgag   480
agtttcagag cacgctcaca cttgccct   508

<210> 319
<211> 514
<212> DNA
<213> Mus musculus

<400> 319
tgaggacttg gtgacttact tcttgacctg aggcaggcga atgtacaaga gaccccacgg   60
tgggagcagg agtaccgcct gacggaggcc taccaggtgc cggatgccag cgtcagctcc   120
atgcacacgg cgctgacccg cattgccagt gagcctcaca tcctgcaacg ttattacgtc   180
tataactcgg tcagctacaa ccatttgacc tgtgaggaca gctgccgcat cgagcacgtt   240
tgtgctatac aacacgtggc tttcaacact tatgctacct gcttgcatgg tcttggtgcc   300
aagctggtgc ctggtttcct gctcatactg actctgctgc caagcctgca cgtactggag   360
gtgttatgac tgtaggcact gccagcccac ccactgactt ggttcatctt tctcctggta   420
aaattgggca acgttaccca atggagagag atgaactttt gccatcagtc tccccccgcg   480
gagagtaaag tgggatggga cacctggatt cacc   514

<210> 320
<211> 484
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(484)
<223> n = A,T,C or G

<400> 320
actgagtgga ggagtctgga gacaacaggc anggaaaggg catctcccta ggggaaataa   60
aagaaggaag aacaagtcat cagccgagga cctcaaatgg ntgaaaaaca gaatgtattt   120
ggtgtctgct gtatctttgc atccttcagt gaaacctttg tccacatcac tactctttct   180
ggcaaggaaa ccctctgctg agtaactatt ataaagatga aggttgattg aggcatgtgg   240
ctggctagca tgcagttaca gaggactggt gatcaaatcc aagacttcac gaatgccagg   300
caagtactac taactaagct atatccttaa caaaaagatt ccttttctat atagattcca   360
aataagaatg cttaaatagc aatcaagtat gctgaagccc tggacgcaca tgattttact   420
cccctaaatg gaagcctaca atttctgaga atcccaaaaa taaaaactcc tgtacaaccc   480
ttgc   484

<210> 321

99

<211> 466
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

<400> 321
```
actgatcttc agcaaaatga ccctgcantg caccaagtca gctggacact ggangatggt      60
ggngtcggat gaagaaaggc ttcctgggcc gnaggcatga attcacagcc gagtgtccca     120
gtgtccttgg aacttggttt tgagacggtg cgatctctna aagtcntgag cgnagcgagg     180
gtaggctntn agcacnccng atttccaagg acagcaatat gtgcttgnat aggggcgatt     240
acccgngctg ncatgcctgg ggtggcaaca caagactacc ctgcngagag gctcanctcc     300
ttccggnctg tggcctgngc taaccnaccg cgactcaagg ctgaccatct tctagcagga     360
gaacttcctg gtgcagagaa aggctgagct gaaccnatga ctattncctc tcttgcnggc     420
catgggcttg ggacggcact tganggggc ctcctttcca tgttca                    466
```

<210> 322
<211> 521
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G

<400> 322
```
aactgagctt tctgcctgtg aaaacactta agaatcatgt ctctgcatca gtttctgctg      60
gagccaatca cctgccatgc ctggaacagg gatcgtaccc agatcgccct gagccccaat     120
aaccatgagg tgcacatcta taagaagaat gggagtcagt ggacgaaagc gcacgagctg     180
aaggaacata atggggcata tcacaggtat tgactgggct cctaagagcg accgtattgt     240
cacttgtggg gcagaccgca acgcctatgt ctggagtcag aaagatggca tctggaagcc     300
caccctggtg atcctgagga ttaaccgtgc agccactttt gtgaagtggt ccccacttga     360
gaacaagttt gctgtgggga gcggagcccg gctcatctct gtctgttact ttgagtctga     420
naatgactgg tgggtgagca agcacattaa gaagccgatc cgntccacag tccttagctt     480
ggnctggcat cccaacatgn ttttgctgct tgaggctcct g                        521
```

<210> 323
<211> 460
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 323
```
ttgtactggc ccattcanag aagacatcat tcaactacnc catgaaggag gctgctgtng      60
aggctctgaa gaagagagga tgggaggtac tcgaatctga cctctatgct atgaacttca     120
acccccatcat ttccagaaat gacatcacag gtgagctgaa ggactctaag aactttcagt     180
atccttccga gtcatctcta gcatatnagg aaggncggct gagcccagat attgtggncg     240
aacacaanaa gctggaagct gcanacctgg tgatatttca nttcccattg cagnggtttg     300
```

```
gggtgccagc cattctgaaa ggctggtttg agngagngct cgnagcagga tttgcctaca        360
catatgctgn catgtacnac aacggtcctt tccagaataa gaagaccttg ctttctatca        420
ccactggggg tatgcggctc natgtactct cttcagggtg                              460


<210> 324
<211> 407
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 324
aggggtacct gactagatgg aggatgctct tgctgcctgc ncagaanngg ncacgagtac         60
atgggtgcag tgaccaaagt tgacacatcc cgtcccagag gaccactcct cagcacagtg        120
tcacagaccc agggccacaa tgcagnnngn ctgtggaggt ggntgagacc atatgatgtg        180
gangtgtact gatatctccc tctttttttt ttnnatttgt angtnnntct nannggatna        240
tnccntttca cttngttcan aactncaaag gcacaaaggt tgttcggtgg agtttgtact        300
tnccacctct cgtnttggac acctggttct tccaggctgc tgtgcatgct aggggagagt        360
ttgagtagac cagggtgagg aagcangcgt gaactgctaa cagcaca                      407


<210> 325
<211> 400
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 325
tgaggacgat gctgtcagta ttgagagtgg cacaaacaca gaacgcccgg acacgcccac         60
aaatacgcca aatgcaccag gaaggaaaag ctggggaaag ggaaaatgga agtcaaagaa        120
atgcaaatat tctttcaaat gtgtgaacag cctcaaggta tgtgctagga agctctagac        180
ttcanacttc tctcagggca tatgggatac ccttaggnct aanctatttt aaaactactg        240
ttttaaaggg gtttctgttt gtttaagttg actattctaa tctgncacac agttaatcaa        300
gtgagctttg tttatccttg ttctttactt tgaatgtata atagtgagta ttgtaggctg        360
ttcttgactt atttgttgat ccaaataaag gactttaaga                              400


<210> 326
<211> 386
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 326
actgaggttt atttatgagn acactgttgc agtcttcata cacaccagaa nagggctgtc         60
agtatcccat tggagatggt tgtcngncac catgnggtta ctggaaatta nacctttgga        120
agagcannca gagctctgag ccatactctc cagcccgaaa gctgacntta ttacaggnna        180
```

101

```
accgttatgt tacttctccg atgcaattgc tganttataa actatanaga agatggtgag    240
gccnacaggt gtncanggtg nntcaaatct ttcagtcctn ttaagcctca ctcctagaac    300
tacaactncn gtaagggtcc accntcctcg cccaaggggc ggngcctnac gcaaggagaa    360
agaccacaac tcccagagaa gctccg                                        386


<210> 327
<211> 383
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 327
ccaagactgc cctttggtat tcaaacgggc agccgctntg gactgantgg ctgncttcct     60
cctcctcccc ctcctccccc ttctgcttca gatttattta ttanatagna cagtacacat    120
ggagcaggng tnggacacac tagacgaggg caccagatct nattgtgggt ggatggatgg    180
ggtgtnnntt tactttgang ataacgcatn ngncanagna tncaannncg gagagatcga    240
aaggctctgc tatcacaggc ncaagtggca aaggagtgng catgacttga ggcccagaat    300
tgcatccaac acaacgcagc antgcttgat ctccagggn atttgtaaaa tatattcatt    360
aaagcttctg ctctgaaaaa aaa                                            383


<210> 328
<211> 362
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(362)
<223> n = A,T,C or G

<400> 328
cggaccattt tcgaatacca ccgtgtggaa ctggactcca gcaagatcac caccacctcg     60
gccgtggagt tcaccccgtt gccaacctgc ctccagcatc agagttgcga cacctgcgtg    120
tcctcgaatc taaccttcaa ctgcagctgg tgccatgtcc tgcagaggtg ttccagtggc    180
tttgaccgat accgccaaga atggctgacc tacggctgtg cccaggaggt ganctntgtg    240
aatggnctgc tgttgcnngt ggttggaagt ttgtcatgct tcaggantat anccttgata    300
atgtttaang nggacggcnn tnccttgtga ctagcttttt cantcacttt catcaccaaa    360
ta                                                                  362


<210> 329
<211> 517
<212> DNA
<213> Mus musculus

<400> 329
gactgagggc gagcggaagt ggacgccctc ctccgtcacc tcggacaggg agaagaggga     60
caccatctgg aagccgccgc tatcctgggg agaccccgca gcgaagctgt caggagattg    120
agactgggga cctctcacct caacgcagcg cccgagggcg gcaaccccaa ctcaccgtca    180
gcagattgtg gggccaattc atgaagccgt gaagaccctg gctttccgg atcagctccg    240
gtccctgtga gggagaaaaa gttagcggtg cccgcagctc cacggccagg tgtgggtgag    300
ccccggcact gtgggcctta ctcaacagac ttttccaaag accccctcgc cacccacccc    360
ccagatcgaa tccacacacc ggcctcagcc ccagatggta ggtgttgccc aagcagatgc    420
```

102

```
ggcagcccag ggagtccagc tgctccgtgg tgataccctt catggtggcc tgtgtaccca    480
caggcatgaa cacaggggtg gctaccgttc catgcgg                            517


<210> 330
<211> 342
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

<400> 330
aactgagcaa gcagggatgc acagtcactg tgtctgattt atatagcatg aactttgagc    60
caagggccac aagaaatgat atcactggtg ccccctctaa tcctgacgtc ttcagttatg    120
ggatagaaac ccatgaagcc tacaagaaga aagctctgac cagtgatata tttgaagaac    180
agagaaaggt gcaagaagct gatcttgtga tatttcagnt tccactatac tggttcagcg    240
ttccagcaat cctaaaaggt tggatggata gggtgcttgt gccgagggtt tgcctttgat    300
atcccaggct tttatgactc tggttttctc aagggtaaat ta                     342


<210> 331
<211> 311
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(311)
<223> n = A,T,C or G

<400> 331
tgagtggaca gaagattgca gaaaatcaac gtatcctcct tctggaccaa cctatagagg    60
accagttccg tggcacacca taaatcttga tttaccaccc tacaaaagat ggcatgaatt    120
attggctcaa aaggcaccag cgttgaggat tttagtgaat tccataacga gtttagtgaa    180
tacatttgtg ccaagtggaa aactaatgaa gatggtggat canaagctgn ctggtatgat    240
tggcagcctt cctgaccctt ttggagagga aatgagggga attgcaaatg ttactgggat    300
tcctctagga a                                                        311


<210> 332
<211> 289
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

<400> 332
tgagggacac accgcaagat accaacactt actttctttg ccggaccctg cgctccctgg    60
gggtccaggt ttgccgagtc tctgttgtgc ctgatgaagt anccaccatt gcatccgagg    120
tcaactcatt ctccaggcgc ttcactcacg tcctcaccgc ggggggcatc ggccccactc    180
atgatgatgt tacctttgag gcagtggcac aggcttttgg ggaggagctc aaaccnnggn    240
ctgagctcca agcagccatc aaaaccctan gaggggaggg ttgggagaa               289
```

<210> 333
<211> 253
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(253)
<223> n = A,T,C or G

<400> 333
cactgaagac gactgttccg ttattgggaa gtaatcagct tttgaaactg agagtgttgg   60
gaaggatata cttacgtaat ggagctgtct tnnncgagag accagcctgc gtcctaaagt   120
ttgctttana gagtaggaat gtcggggttn ccagttagaa aacctttatt tntggaaacg   180
gaataaaaat ctcttagaaa cttttgcaga taatttgang ttgggcaaat atatataatt   240
atttttctg ggt   253

<210> 334
<211> 246
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(246)
<223> n = A,T,C or G

<400> 334
cagcaacttt gagcaggtga tcctggggct gatgacaccc acagtgctgt atgacgtaca   60
ggagctgcng gagggccatg aagggagctg gcacggacga gggctgtctg attgagatcc   120
ttggcctctc gtacccctga ggagatccgt cgaatcaacc agacatacca gcagcaatat   180
ggaaggagcc ttgaagagga catctgctct gacacatccc ttcatgttcc agcgagtact   240
gggtgt   246

<210> 335
<211> 223
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(223)
<223> n = A,T,C or G

<400> 335
ctaccctgcg gagaggctca nctccttncg gcctgnggcc tgcgctaacc accgcgactc   60
aaggctgacc atnttctagc aggagaactt cctgngcagg aaaggctgag ctgaacgatg   120
actatccctc tctgcaggcc atgggctggg acggcactga agngggctcc ttccatgatc   180
aatctggggc gnggggtttg ttcccaattt cctggctacc cga   223

<210> 336
<211> 219
<212> DNA
<213> Mus musculus

<400> 336

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tgagatgtac tgctccatct gaaagtcaag gttggtgcca cctaagtggg ttcccgcagc    60
aaggaatttg aggacatcct cctccttcat ctgcaggacg tcaagggctc cggacattgt   120
gtaagtttcc ctttaagtta cgatgggaat caagaacaac gccgtatgga cccgtccccg   180
ggtagcacgg aaagcctata ataacttta aaagcaaaa                            219


<210> 337
<211> 178
<212> DNA
<213> Mus musculus


<400> 337
attactgatc aaggagaact gaccgctgac cccgacagtg aagtggctac tacaagtctc    60
cgggtgtcac tcatgtgccc gctagggaag atgcgcctga ctgtcccgtg tcgtgccctc   120
acctgtgccc atctgcagag tttcgatgct gccctttatc tacagatgaa tgagaaga     178


<210> 338
<211> 166
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(166)
<223> n = A,T,C or G


<400> 338
gactgaggta tttactcaag caggatgcan cctgtgccta catagcacct tcatacatga    60
acaatcatag cagnttcatt cataacagct ccaaatgggg agcagctcaa gtgcccatca   120
aggaatgaaa gaaagagaga aatgaangat agaaggaaga aaaagg                  166


<210> 339
<211> 502
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(502)
<223> n = A,T,C or G


<400> 339
gactgaggtg acacccattc tacggaatat aagtaccagc taaagaggac acacacttga    60
agaaaaagga gacaatgagg anancacgtc cntcctgtgt gtnccccann tanncncaat   120
ncagtgaanc tgactntcta angaaaccnt ctagttgggn ctggagagat ggctcagngg   180
ttaatgagca ctgactgctc ttcaagatgn cctgagttca atnccnagca tncacntggn   240
ggctnacnac gatccataat gagatncagt gccccctct ggtgnatntg aagacngnta   300
cnntgtactc acatacataa gaataatatt aaattttgac tctctnnaca aatngntgat   360
cangaaagac annagcgcga ggangcgttg nanagttagc tgtacnagct agcctntctc   420
acggtctggt gagtcctatt tatactccct ccaaacatca cattgtnctn catggnttct   480
tgcctcaccg tgtgtcttac ct                                            502


<210> 340
<211> 126
<212> DNA
<213> Mus musculus
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<220>
<221> misc_feature
<222> (1)...(126)
<223> n = A,T,C or G

<400> 340
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ccgtacagta gaaaagcanc tcagattaca agagagtctc acaaacaaga caagaaggaa   120
agattg   126

<210> 341
<211> 228
<212> DNA
<213> Mus musculus

<400> 341
actgaggtgg gtctctttgt ggactttttcc gtgcgactct tcacccaact gaagttcgga   60
gtggttcaaa cgtgtatcct ttctacggct ccattgtttc agaccctttc attctcgagg   120
ctctttcttg ttgagaaatt tatcagtaaa tgtggtattt gagagactgt ttgttagcca   180
ttcaggcagg agtttttaaa ttgtcactga aggacaggaa aaaaaaaa   228